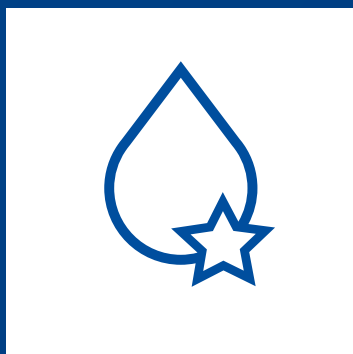


FUCHS Special Applications



Product Range

MOVING YOUR WORLD

LUBRICANTS.
TECHNOLOGY.
PEOPLE.



FUCHS LUBRICANTS GERMANY

We do not just develop lubricants. We develop intelligent solutions for highly complex challenges.

To this end, we have pooled our expertise and experience from a wide range of application areas: FUCHS SCHMIERSTOFFE and FUCHS LUBRITECH became FUCHS LUBRICANTS GERMANY. Our goal: to keep our customers' world in motion. Efficient, sustainable, reliable. Today and tomorrow.

What can we move for you?



FUCHS LUBRICANTS GERMANY

Facts and figures

Company: FUCHS LUBRICANTS GERMANY GmbH,
a company of the FUCHS Group

Locations: Based in Mannheim, with sites in
Bremen, Dohna, Hamburg, Kaiserslautern, Kiel and Wedel;
approx. 1,400 employees

Product range: A full range of more than 3,000 products
for all application areas

Certifications i. a.: ISO 9001, IATF 16949, ISO 14001,
ISO 45001, ISO 50001, ISO 21469, HALAL, KOSHER
(detailed certifications at www.fuchs.com/de/en)

CO₂ neutral production*

Since 1931, we have been pursuing the same goal: to keep the world moving. With innovative and technological lubricant solutions that have a sustainable impact on the future. Unconditional reliability is our top priority, it is the foundation of our company and basis for everything that defines us.

Reliability is both a driver and a demand. And it's a promise to all our customers in the fields of automotive suppliers and OEMs, mechanical engineering, metal processing, mining and exploration, aerospace, energy, construction and transport, agriculture and forestry, as well as the paper, steel, metal, cement, forging and food industries, but also qualified lubricant dealers, car dealerships and workshops.

Long-term experience, high development strength and the fulfillment of far-reaching standards are the basis for the special quality of our world-leading product brands. We deliver solutions that are simply more efficient and therefore more sustainable. We always think in holistic solutions. For the development of individual solutions, we enter into an intensive customer dialog with you. This is the way we live up to our claim of moving your world.

MOVING YOUR WORLD

*Partially also based on compensation



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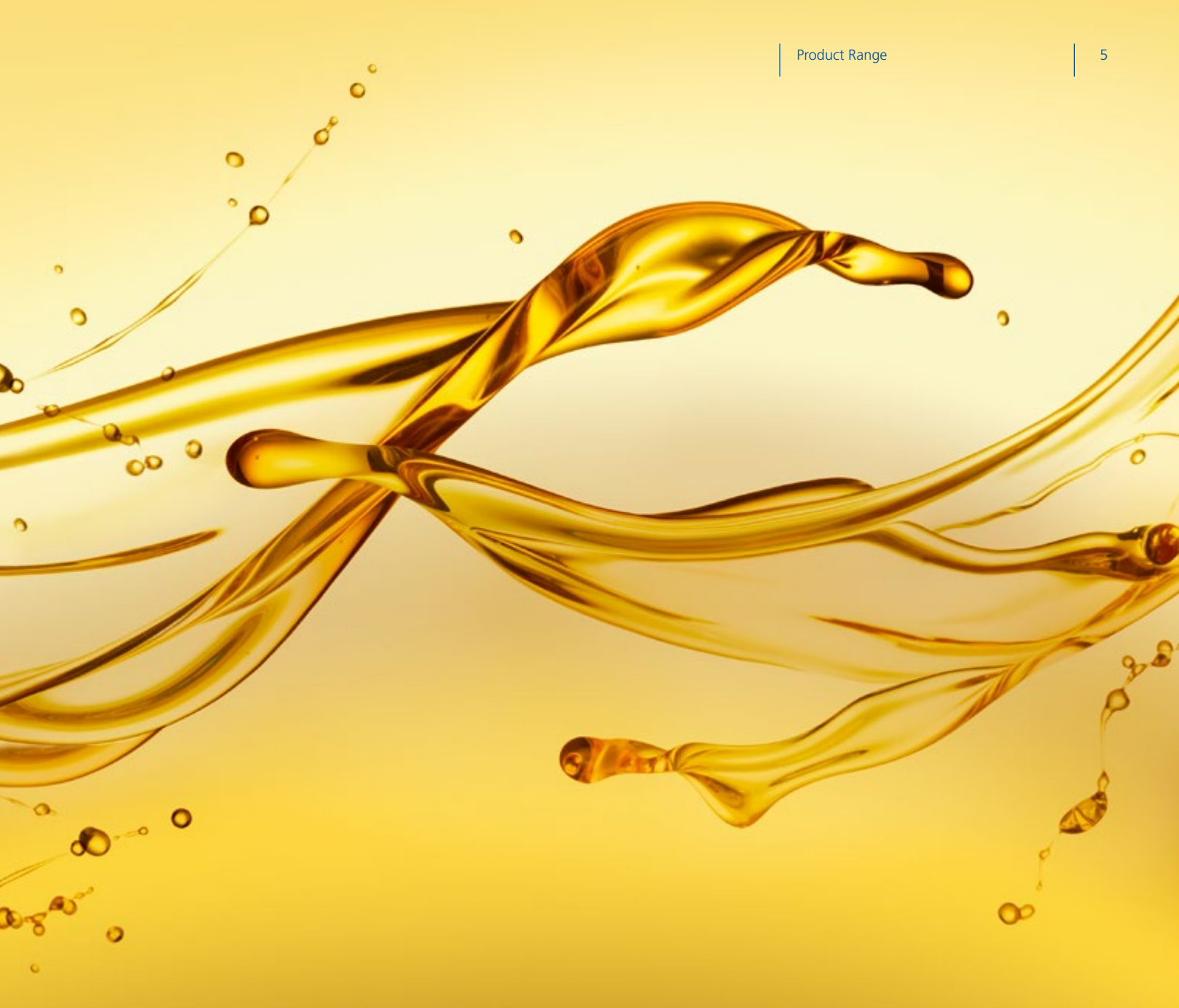
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Application Equipment



High temperature



Low temperature



Extreme pressure



Available as spray



Eco-friendly



Drinking water



Oxygen gittings



Pneumatic tools



Hydraulics



Gears-enclosed



Slideways



Chains



Conveyors



Linkages, pins



Wire rope



Rail lubrication



Automotive



Machining

The world of special application lubricants

Understanding your branch of industry,
developing comprehensive solutions.



Food and beverage



Wind power



Railway



Cement



Glass



Coatings



Mining



Refractory industry



Forging



HT chain oils



Concrete release agents



Bearings, OEM components

LUBRICATING FLUIDS

Modern lubricating fluids today cover an extremely wide spectrum. They are the “elixir” for every machine. While in the past mostly mineral oils were used, today in nearly all High-Tech applications fully synthetic lubricating fluids are in use. New production and manufacturing processes, higher capacity utilisation of machines, reduced time and personnel resources in maintenance and service have promoted the development of more and more specialised lubricants.

The extensive lubricating fluids programme of FUCHS LUBRICANTS GERMANY offers the widest choice of products for use in lifetime and total loss lubrication. Apart from the traditional fluids based on mineral oils, there is a full range of synthetic fluids available, e.g. for use in high and low temperature applications, in the food industry and in areas where environmental constraints have to be addressed.



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Hydraulic oils

■ ECO-HYD S RANGE ECO-FRIENDLY HYDRAULIC OILS BASED ON SYNTHETIC ESTER

		For all types of industrial and vehicle hydraulics, particularly in environmentally sensitive areas. Easily biodegradable as per OECD 301 B.		Approvals/Recommendations: Bosch Rexroth, STILL, SANDVIK, TEREX, DEMAG	
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Classification	
ECO-HYD 32 S	synth. Ester	-30/+90	32	HLPE 32	
ECO-HYD 46 S	synth. Ester	-30/+90	46	HLPE 46	
ECO-HYD 68 S	synth. Ester	-30/+90	68	HLPE 68	

■ ECO-HYD S PLUS ECO-FRIENDLY MULTIGRADE HYDRAULIC OIL BASED ON SYNTHETIC ESTER

		For hydraulics under harsh conditions e.g. at extreme temperature fluctuations. Can replace universal oil-based hydraulic oils of the viscosity classes ISO VG 22-68 forexample due to its outstanding multigrade character.		Approvals/Recommendations: Bosch Rexroth, STILL	
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Classification	
ECO-HYD S PLUS	synthetic	-30/+100	46	HLPE 46	

Gear oils

■ GEARMMASTER CLP RANGE HIGH-PERFORMANCE MINERAL OIL-BASED GEAR OILS

		For heavy-duty industrial gears such as spur, bevel and planetary types. They clearly surpass the requirements of DIN 51517-3 and are characterised by their excellent ageing resistance, exceptional wear prevention properties as well as their ability to withstand grey staining.		Approvals/Recommendations: AUMUND Fördertechnik, FLSmidth MAAG Gear, Gebr. Pfeiffer, KHD Humboldt Wedag International, Loesche, pekrun Getriebebau, ThyssenKrupp Resource Technologies, Siemens Flender	
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Classification	
GEARMMASTER CLP 68	mineral oil	-15/+120	68	CLP 68	
GEARMMASTER CLP 100	mineral oil	-15/+120	100	CLP 100	
GEARMMASTER CLP 150	mineral oil	-15/+120	150	CLP 150	
GEARMMASTER CLP 220	mineral oil	-15/+120	220	CLP 220	
GEARMMASTER CLP 320	mineral oil	-15/+120	320	CLP 320	
GEARMMASTER CLP 460	mineral oil	-10/+120	460	CLP 460	
GEARMMASTER CLP 680	mineral oil	-10/+120	680	CLP 680	

Gear oils

■ GEARMASTER CLPF RANGE MoS_2 -CONTAINING HIGH-PERFORMANCE MINERAL OIL-BASED GEAR OILS

	In heavy-duty industrial gears such as spur-wheel gears, bevel gears, planetary gears and worm gears, especially at low peripheral speeds and shock loads. Results in a longer service life of heavy-duty gears.			Approvals/Recommendations: Ferry Capitain, CMD	
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Classification	
	GEARMASTER CLPF 100	mineral oil	-15/+120	100	CLPF 100
	GEARMASTER CLPF 220	mineral oil	-10/+120	220	CLPF 220
	GEARMASTER CLPF 320	mineral oil	-10/+120	320	CLPF 320
	GEARMASTER CLPF 460	mineral oil	-5/+120	460	CLPF 460
	GEARMASTER CLPF 680	mineral oil	-5/+120	680	CLPF 680
	GEARMASTER CLPF 1500	mineral oil	-5/+120	1500	CLPF 1500

■ GEARMASTER SYN RANGE HIGH-PERFORMANCE SYNTHETIC HYDROCARBON-BASED GEAR OILS

	For heavy-duty industrial gears such as spur, bevel and planetary types, especially at increased or highly fluctuating operating temperatures. GEARMASTER SYN oils can be mixed at any ratio with mineral oils and are characterised by a distinctly favourable viscosity-temperature characteristic and a higher resistance to ageing.			Approvals/Recommendations: FLSmidth MAAG Gear, Loesche, pekrun Getriebebau, ThyssenKrupp Resource Technologies, Siemens Flender	
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Classification	
	GEARMASTER SYN 68	PAO	-30/+150	68	CLP-HC 68
	GEARMASTER SYN 100	PAO	-30/+150	100	CLP-HC 100
	GEARMASTER SYN 150	PAO	-30/+150	150	CLP-HC 150
	GEARMASTER SYN 220	PAO	-20/+150	220	CLP-HC 220
	GEARMASTER SYN 320	PAO	-20/+150	320	CLP-HC 320
	GEARMASTER SYN 460	PAO	-20/+150	460	CLP-HC 460
	GEARMASTER SYN 680	PAO	-20/+150	680	CLP-HC 680
	GEARMASTER SYN 1000	PAO	-20/+150	1000	CLP-HC 1000

■ GEARMASTER PGP RANGE HIGH-PERFORMANCE POLYGLYCOL-BASED GEAR OILS

	For heavy-duty industrial gears such as spur-wheel gears, bevel gears, planetary gears and worm gears. Wherever there is a high share of sliding parts in gears as well as for use at very high temperatures.			Approvals/Recommendations: FLSmidth MAAG Gear, Gebr. Pfeiffer, Loesche, pekrun Getriebebau, Schaeffler Technologies (FAG), ThyssenKrupp Resource Technologies, Siemens Flender	
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Classification	
	GEARMASTER PGP 100	polyglycol	-30/+150	100	CLP-PG 100
	GEARMASTER PGP 150	polyglycol	-30/+150	150	CLP-PG 150
	GEARMASTER PGP 220	polyglycol	-30/+150	220	CLP-PG 220
	GEARMASTER PGP 320	polyglycol	-30/+150	320	CLP-PG 320
	GEARMASTER PGP 460	polyglycol	-30/+150	460	CLP-PG 460
	GEARMASTER PGP 680	polyglycol	-20/+150	680	CLP-PG 680
	GEARMASTER PGP 1000	polyglycol	-20/+150	1000	CLP-PG 1000

Gear oils

■ GEARMASTER ECO RANGE ECO-FRIENDLY HIGH-PERFORMANCE SYNTHETIC ESTER BASED GEAR OILS

		For heavy-duty spur, bevel, planetary and worm gears, especially in environmentally-sensitive areas (water protection zones, wind power plants).		Approvals/Recommendations: KHD Humboldt Wedag International, pekrun Getriebbau, Schaeffler Technologies (FAG), ThyssenKrupp Resource Technologies	
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Classification	
GEARMASTER ECO 68	synth. Ester	-30/+150	68	CLPE 68	
GEARMASTER ECO 100	synth. Ester	-40/+150	100	CLPE 100	
GEARMASTER ECO 150	synth. Ester	-30/+150	150	CLPE 150	
GEARMASTER ECO 220	synth. Ester	-30/+150	220	CLPE 220	
GEARMASTER ECO 320	synth. Ester	-30/+150	320	CLPE 320	
GEARMASTER ECO 460	synth. Ester	-30/+150	460	CLPE 460	
GEARMASTER ECO 680	synth. Ester	-30/+150	680	CLPE 680	

Chain fluids for temperatures up to +150°C

■ STABYLAN 2080 SEMI-SYNTHETIC LUBRICANT WITH SOLID LUBRICANTS

		STABYLAN 2080 is used for highly-loaded chains in the conveyor and drive technology, e.g. in the chemical industry, in mechanical engineering, wood and plastics processing, packaging equipment, etc. STABYLAN 2080 is well-proven for the lubrication of press guides in the forging industry.			
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Flash point in °C	
STABYLAN 2080	semi-synthetic	-10/+120	320	> 220°C	

■ STABYLAN 3080 MINERAL OIL-BASED CHAIN LUBRICANT

		For chain drives operating at high humidity, e.g. in docks, escalators, drive and conveying chains.		Approvals/Recommendations: Koenig & Bauer	
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Flash point in °C	
STABYLAN 3080	mineral oil	-25/+80	100	> 140	

■ STABYLAN W 880 MINERAL OIL-BASED LUBRICATING FLUID WITH WHITE SOLID LUBRICANTS

		For lubrication of levers, joints, chains and other mechanisms, particularly for oscillating movements. Wherever rapid and self-activating penetration of the lubricant is required. Reduces friction losses and functional performance drops and protects against fretting corrosion.		Approvals/Recommendations: KARL MAYER Textilmaschinenfabrik	
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Flash point in °C	
STABYLAN W 880	mineral oil	-30/+60	19.5	> 65	

Chain fluids for temperatures up to +150°C

■ STABYLAN G 1000 CHAIN LUBRICANT WITH GRAPHITE

	For chain drives of all types in the normal temperature range, e.g. in the automotive industry, chemical industry, mechanical engineering, for transport or conveyor chains, forklift chains and external wire rope lubrication.				Approvals/Recommendations: FLSMIDTH. SANDVIK
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Flash point in °C	
STABYLAN G 1000	mineral oil	-30/+100	40	> 158	

■ STABYLAN 2001 SEMI-SYNTHETIC CHAIN LUBRICANT

	For conveyor and drive chains operating at elevated temperatures e.g. in the chemical industry, mechanical engineering and wood processing.				Approvals/Recommendations: Koenig & Bauer, ThyssenKrupp Resource Technologies, RUD Ketten, SANDVIK, POLYSIUS
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Flash point in °C	
STABYLAN 2001	semi-synthetic	-15/+150	215	> 230	

Chain fluids for extreme temperatures

■ STABYLAN 3001 FULLY SYNTHETIC CHAIN LUBRICANT

	For chains, plain and roller bearings at high temperatures, e.g. in furnaces, dryers, stenter frames. Very good hot water resistance.				
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Flash point in °C	
STABYLAN 3001	synthetic	-10/+220	160	> 260	

■ STABYLAN MO 3001 CHAIN LUBRICANT WITH MOS₂

	For conveyor and drive chains as well as plain and roller bearings and sliding surfaces particularly for high-temperature operation in furnaces and dryers etc., e.g. in the chemical and automotive industry, in mechanical engineering, wood and plastics processing, packaging systems and in glass industry. Excellent dry running properties.				
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Flash point in °C	
STABYLAN MO 3001	synthetic	-10/+220	160	> 245	

Chain fluids for extreme temperatures

■ STABYLAN 5000 FULLY SYNTHETIC HIGH-TEMPERATURE CHAIN LUBRICANT

		For conveyor and drive chains, stenter frames, conveying equipment, dryers in the chemical, mechanical engineering and textile industries. Is characterised by very low evaporation losses and does not form any lacquer-like deposits even at increased operating temperatures.	Approvals/Recommendations: Brückner	
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Flash point in °C
STABYLAN 5000	synthetic	-20/+240	100	> 260

■ STABYLAN 5001 FULLY SYNTHETIC HIGH-TEMPERATURE CHAIN LUBRICANT

		For high-temperature applications for conveyor and drive chains, bearings and sliding surfaces in the chemical and automotive, textile technology and raw materials industries. Is characterised by very low evaporation losses and does not form any lacquer-like deposits even at increased operating temperatures. Excels in the lubrication of chains in tempering furnaces of the insulation material industry.	Approvals/Recommendations: Bernd Münstermann	
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Flash point in °C
STABYLAN 5001	synthetic	-15/+240	180	> 260

■ STABYLAN 5006 FULLY SYNTHETIC HIGH-TEMPERATURE CHAIN LUBRICANT

		“Chain honey” for largesized conveyor and drive chains, sliding surfaces, cams, bearings and disc cams e.g. in the chemical industry, in mechanical engineering, steel hydraulics and in printing machines. Is characterised by very low evaporation losses and does not form any lacquer-like deposits even at increased operating temperatures.	Approvals/Recommendations: Koenig & Bauer, RUD Ketten	
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Flash point in °C
STABYLAN 5006	synthetic	0/+240	3000	> 260

■ STABYLAN 5020 FULLY SYNTHETIC HIGH-TEMPERATURE CHAIN LUBRICANT

		STABYLAN 5020 is suitable for high-temperature applications of all types of conveyor and drive chains. STABYLAN 5020 was especially developed for the lubrication of roller chains in curing ovens in the production of insulating material.		
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Flash point in °C
STABYLAN 5020	synthetic	-20/+250	220	>250°C

Chain fluids for extreme temperatures

■ STABYLAN 6020 CHAIN FLUID FOR EXTREMELY HIGH TEMPERATURES

	For minimum quantity lubrication of chains in tempering furnaces for insulation production as well as all types of steel link chains. Is characterised by very low evaporation losses and does not form any lacquerlike deposits even at increased operating temperatures. The high flash point offers maximum safety at high temperatures.	Approvals/Recommendations: Bernd Münstermann		
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Flash point in °C
STABYLAN 6020	synthetic	-20/+260	130	> 290

Eco-friendly chain fluids

■ STABYLAN ECO W 10 BIODEGRADABLE SYNTHETIC OIL WITH WHITE SOLID LUBRICANTS

	For lubrication of levers, joints, chains and other mechanisms, particularly for oscillating movements. Wherever rapid and self-activating penetration of the lubricant is required.	Approvals/Recommendations: LEITNER		
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Flash point in °C
STABYLAN ECO W 10	synthetic	-20/+110	18	> 190

■ STABYLAN ECO 7 FULLY SYNTHETIC CHAIN LUBRICANT, BIODEGRADABLE

	STABYLAN ECO 7 is applied to drive and conveyor chains of all kind. STABYLAN ECO 7 is specified by leading rail OEMs for the conveyor chains of High Output Ballast Cleaning units, track renewal and track laying machines. It is also an excellent solution for chains used in transport- and packing machines, chains of forklifts, lubrication of step chains for escalators, chains used in wastewater treatment works and in all applications that are environmentally sensitive and require a high performance biodegradable chain oil.			
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Flash point in °C
STABYLAN ECO 7	synthetic	-40/+120	70	–

■ STABYLAN ECO 20 BIODEGRADABLE LUBRICATING FLUID

	For all types of chains and oil-lubricated machine elements, particularly in environmentally sensitive areas characterised by its very good corrosion protection and high water resistance.	Approvals/Recommendations: SIG Combibloc, ThyssenKrupp Resource Technologies, POLYSIUS		
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Flash point in °C
STABYLAN ECO 20	synthetic	-40/+160	95	–

Wire rope lubricants

■ CEDRACON SL WIRE ROPE LUBRICANT AND PRESERVATION FLUID WITH GRAPHITE

	For wire ropes exposed to heavy mechanical stresses and chemical influences, e.g. in mining, steel works, and in the chemical industry.				Approvals/Recommendations: Casar Drahtseilwerke Saar, LEITNER
		Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Flash point in °C
CEDRACON SL		mineral oil	-35/+75	–	–

■ CEDRACON SL-K SOLID LUBRICANT-FREE WIRE ROPE LUBRICANT AND PRESERVATION FLUID

	For preservation of wire ropes of all kinds, e.g. on cranes and diggers. After evaporation of the solvent a highly viscous, non-dropping lubricating film remains.			
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Flash point in °C
CEDRACON SL-K	mineral oil	-30/+65	—	—

■ CEDRACON SL-S 3 ECO-FRIENDLY WIRE ROPE LUBRICANT AND PRESERVATION FLUID

	For the external preservation of all types of wire ropes such as suspension and haulage cables of cable cars, waterway locks, weirs and for industrial cableways. After evaporation of the solvent a highly viscous, nondripping lubricating film remains.				Approvals/Recommendations: ZS Schmieranlagen
		Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Flash point in °C
CEDRACON SL-S 3		semi-synthetic	-40/+80	–	–

Oils for compressed air tools

■ KOMPRANOL 1002 LUBRICATING AND PRESERVATION FLUID FOR COMPRESSED AIR TOOLS

	For lubrication and preservation of compressed air tools of all types in all industries, even for underground use.				Approvals/Recommendations: Maschinenfabrik Gustav Eirich
		Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Flash point in °C
KOMPRANOL 1002		mineral oil	-40/+80	11	–

Oils for compressed air tools

■ KOMPRANOL GRÜN ECO-FRIENDLY LUBRICATING AND PRESERVATION FLUID FOR COMPRESSED AIR TOOLS

	For compressed air tools of all types, e.g. pneumatic hammers and chisels, tunnelling machines, pneumatic pile drivers in all industries. Absorbs water condensate without loss of the lubricity.				Approvals/Recommendations: Zeppelin Baumaschinen
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Flash point in °C	
KOMPRANOL GRÜN	synthetic	-60/+90	20	–	

■ KOMPRANOL PF 84 SYNTHETIC, ECO-FRIENDLY OIL FOR COMPRESSED AIR TOOLS

	Mixture of fully-synthetic oil with additives for protection against corrosion and wear. For lubrication of compressed air tools such as pneumatic hammers and chisels, displacement mole drives, and pneumatic tools in all branches of industries, especially in the construction industry. Picks up condensate without loss of lubricating quality.				
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Flash point in °C	
KOMPRANOL PF 84	synthetic	-60/+90	20	–	

Lubricating fluids for rail traffic

■ TRAMLUB S 3 ECO-FRIENDLY RAIL AND WHEEL FLANGE LUBRICATING FLUID

	For eco-friendly lubrication of rails and wheel flanges of railway vehicles as well as for lubrication of switches. TRAMLUB S 3 is also very suitable for eco-friendly lubrication of chains.				Approvals/Recommendations: DELIMON, REBS Zentralschmiertechnik
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Flash point in °C	
TRAMLUB S 3	synthetic	-25/+100	165	–	

■ TRAMLUB S 4 ECO-FRIENDLY RAIL AND WHEEL FLANGE LUBRICATING FLUID

	For eco-friendly lubrication of rails and wheel flanges of railway vehicles.				Approvals/Recommendations: DELIMON, REBS Zentralschmiertechnik
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Flash point in °C	
TRAMLUB S 4	synthetic	-30/+100	37	–	

Lubricating fluids for rail traffic

■ TRAMLUB S 5 ECO-FRIENDLY RAIL AND WHEEL FLANGE LUBRICATING FLUID

	For eco-friendly lubrication of rails and wheel flanges of railway vehicles as well as for reliable lubrication of sliding surfaces of switch plates.				Approvals/Recommendations: DELIMON, REBS Zentralschmiertechnik, Sécheron
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Flash point in °C	
TRAMLUB S 5	synthetic	-30/+100	68	–	

■ TRAMLUB SPL-F 1 BIODEGRADABLE SWITCH LUBRICATING FLUID

	Graphited fluid for the lubrication of switches and switch plates in all types of railway traffic systems, as well as for subways, tram networks, industrial railroads etc.				
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Flash point in °C	
TRAMLUB SPL-F 1	synthetic	-35/+100	30	–	

Lubricating fluids for special applications

■ CARBAFLO KSP 105 | KSP 105-80 PERFLUORINATED HIGH-PERFORMANCE LUBRICATING FLUID

	Reduces mechanical noise due to stick-slip effects in the passenger compartment of cars, e.g. leather creaking, squeaking of the instrument panel and interior trim.				
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Flash point in °C	
CARBAFLO KSP 105	synthetic	-40/+200	148	none	
CARBAFLO KSP 105-80	synthetic	-40/+200	148	none	

■ CARBAFLO XTR 5 F | XTR 5 F-80 PERFLUORINATED HIGH-PERFORMANCE LUBRICATING FLUID

	After the evaporation of the carrier liquid a thin, anti-squeak-effective film remains which can be detected on any surface by a UV lamp. Used to avoid squeaking noise in the vehicle interior and for sealing systems.				
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Flash point in °C	
CARBAFLO XTR 5 F	synthetic	-40/+220	174	none	
CARBAFLO XTR 5 F-80	synthetic	-54/+220	174	none	

Lubricating fluids for special applications

■ CHEMPLEX SI SPRAY SILICONE LUBRICANT

	CHEMPLEX SI SPRAY combines the excellent properties of silicone lubricants with the easy application from a spray can. Water-repellent, not greasy, does not attack plastics and rubber elastomers. For lubrication of telescopic platforms of road finishers, door sealings of vehicles, zippers, snaps fasteners, hinges, precision mechanics. Only available as spray!			
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Flash point in °C
CHEMPLEX SI SPRAY	silicone	-40/+250	730	none

■ ONTROPEEN 10 CHEMICALLY RESISTANT LUBRICATING FLUID BASED ON PERFLUORINATED POLYETHER

	For lubrication of special machine elements in the chemical industry at high and low temperatures. It is recommended as a pressure transfer fluid for process control devices in the chemical industry.			
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Flash point in °C
ONTROPEEN 10	synthetic	-60/+180	8	none

■ ONTROPEEN 40 CHEMICALLY RESISTANT LUBRICATING FLUID BASED ON PERFLUORINATED POLYETHER

	For lubrication of roller and sliding contacts of all types in the high-temperature range, primarily in the chemical and food industries as well as for lubrication of gearboxes and armatures in the oxygen industry.			
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Flash point in °C
ONTROPEEN 40	synthetic	-30/+260	80	none

■ MOLYPHIDE 10% MOS₂ SUSPENSION

	MOLYPHIDE 10% is a thermally stable colloidal suspension of high-purity molybdenum disulphide in mineral oil. The product is used as MoS ₂ additive concentrate for engine and machine oils.			
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Solid content
MOLYPHIDE 10%	mineral oil		30	10

■ MOLYPHIDE 20% MOS₂ SUSPENSION

	MOLYPHIDE 20% is a thermally stable colloidal suspension of high-purity molybdenum disulphide in mineral oil. The product is used as MoS ₂ additive concentrate for engine and machine oils.			
	Base oil	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Solid content
MOLYPHIDE 10%	mineral oil		30	20

ADHESIVE LUBRICANTS – CEPLATTYN

CEPLATTYN was the first sprayable adhesive lubricant developed more than 50 years ago. Nowadays adhesive lubricants marketed under this name are available throughout the world in a whole range of specially formulated products for a wide range of applications.

The product portfolio encompasses both grease-based, graphited lubricants, high-viscosity fluids free from solid lubricants and semi-fluids containing solid lubricants. Suitable CEPLATTYN lubricants are available for all common application methods. CEPLATTYN effectively and successfully reduces the wear of your machine parts through its special formulation and very good adhesion. CEPLATTYN adhesive lubricants are recommended or prescribed by leading equipment manufacturers.

The CEPLATTYN adhesive lubricants range fulfils the tough tribotechnical conditions encountered. The CEPLATTYN range can be used in numerous industrial applications, e.g. open-running drive units on tube mills, rotary kilns, dryers, ore crushers, calcinators etc. In addition on slewing rings, rack-and-pinion devices, slide rails and bolted connections. CEPLATTYN lubricants are suitable for the most varied operating conditions and can be used with all types of application equipment.



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Solid-containing fluids

■ CEPLATTYN GT 10 LIGHT-COLOURED, HIGH-VISCOSITY OPEN GEAR LUBRICANT WITH WHITE SOLID LUBRICANTS



CEPLATTYN GT 10 is a high-viscosity adhesive lubricant for heavy-duty Open Gears, e.g. on kilns, mills and driers in the raw materials industry. CEPLATTYN GT 10 has been especially developed for the application on Open Gears under critical operating conditions, such as low-speed kiln drives with increased tooth flank temperatures, mill drives with extreme drive power, and drives which are frequently operated under start-stop conditions.

Approvals/Recommendations:

FLSmidth, KHD Humboldt Wedag International, Metso, Outotec, ThyssenKrupp Resource Technologies, Sinoma, Citic, Ferry Capitain

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
CEPLATTYN GT 10	synthetic	–	white	0/+140	light-coloured/milky	–	–	10000	–

■ CEPLATTYN GT 30 LIGHT-COLOURED, HIGH-VISCOSITY OPEN GEAR LUBRICANT WITH WHITE SOLID LUBRICANTS

CEPLATTYN GT 30 is a high-viscosity adhesive lubricant for heavy-duty Open Gears, e.g. on kilns, mills and driers in the raw materials industry. CEPLATTYN GT 30 has been especially developed for the application on Open Gears under critical operating conditions, such as low-speed kiln drives with increased tooth flank temperatures, mill drives with extreme drive power, and drives which are frequently operated under start-stop conditions.

Approvals/Recommendations:

Falk Rexnord

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
CEPLATTYN GT 30	synthetic	–	white	0/+140	light-coloured/milky	–	–	28000	–

■ CEPLATTYN GT P LIGHT-COLOURED PRIMING LUBRICANT FOR OPEN GEARS

Used as a priming lubricant for Open Gears, is especially adjusted to CEPLATTYN GT and SF operational lubricants.

Approvals/Recommendations:

FLSmidth, KHD Humboldt Wedag International, Sinoma, ThyssenKrupp Resource Technologies

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
CEPLATTYN GT P	semi-synthetic	Al-X	white	-30/+140	beige	–	1–2	300	220

■ CEPLATTYN GT RN LIGHT-COLOURED RUNNING-IN LUBRICANT FOR OPEN GEARS

Is used to smoothen the manufacturing surface roughness of the tooth surfaces and to optimise the contact pattern on newly installed gear rims and pinions.

Approvals/Recommendations:

FLSmidth, KHD Humboldt Wedag International, Sinoma, Ferry Capitain, ThyssenKrupp Resource Technologies

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
CEPLATTYN GT RN	synthetic	–	–	-10/+140	light-c./milky	–	–	3000	–

Splash lubrication

■ CEPLATTYN 100 HV | MV SEMI-LIQUID ADHESIVE LUBRICANTS

For bath lubrication of Open Gears in mills, dryers and rotary kilns.						Approvals/Recommendations: FLSmidth, Sinoma, Ferry Captain, CMD, ThyssenKrupp Resource Technologies			
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
CEPLATTYN 100 HV	mineral oil	Al-X	C	0/+140	black	–	–	1750	–
CEPLATTYN 100 MV	mineral oil	Al-X	C	-5/+140	black	–	–	500	–

■ CEPLATTYN GT 3 LIGHT-COLOURED, HIGH-VISCOSITY OPEN GEAR LUBRICANT WITH WHITE SOLID LUBRICANTS

 CEPLATTYN GT 3 is a high-viscosity adhesive lubricant for heavy-duty Open Gears, e.g. on kilns, mills and driers in the raw materials industry, used with bath or circulation systems. CEPLATTYN GT 3 has been especially developed for the application on Open Gears under critical operating conditions, such as kiln and mill drives in the cement and mining industry.						Approvals/Recommendations: ThyssenKrupp Resource Technologies, Sinoma			
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
CEPLATTYN GT 3	synthetic	–	white	-5/+60	light-coloured/milky	–	–	3200	–

Graphited/grease-based

■ CEPLATTYN 300 GRAPHITE PASTE WITH HIGH-PRESSURE AND ADHESIVE ADDITIVES

 Priming lubricant for large Open Gear drives, gear racks and sliding surfaces. It is also used as an assembly paste for screws/bolts and pins. It is also suitable for wire rope lubrication and preservation as well as in steel hydraulics construction for chains, sliding surfaces, and gear tooth systems. Dry lubrication up to +500°C.						Approvals/Recommendations: DB-Mat.-Nr. 106169, Ferry Captain, FLSmidth, Sinoma, Citic, CMD, Christian Pfeiffer, Sandvik, Gebr. Pfeiffer, KHD Humboldt Wedag International, Maschinenfabrik Gustav Eirich, ThyssenKrupp Resource Technologies, RUD Ketten			
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
CEPLATTYN 300	mineral oil	Al-X	C	-30/+250	black	–	1–2	1300	> 200

Graphited/grease-based

■ CEPLATTYN RN SPRAYABLE RUNNING-IN LUBRICANT FOR OPEN GEARS

CEPLATTYN RN can be applied to single and double pinion drives of any kind of tube mills and kilns, e.g. in cement works, fertilizer plants, combustion and compost units. CEPLATTYN RN is applied to gear drives with high performance. Furthermore it is used when running under critical operating conditions, when having big tooth widths or when running with high speeds.									
Approvals/Recommendations: Ferry Capitain, FLSmidth, Outotec, Sinoma, Citic, CMD, Maguin, Christian Pfeiffer, Sandvik, KHD Humboldt Wedag International, ThyssenKrupp Resource Technologies									
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
CEPLATTYN RN	semi-synthetic	Al-X	Combination	-10/+140	black	–	00	460	200

■ CEPLATTYN KG 10 HMF SPRAYABLE ADHESIVE LUBRICANT FOR OPEN GEARS

For open running gear drive units of tube mills, rotary kilns, dryers, crushers.									
Approvals/Recommendations: Ferry Capitain, FLSmidth, Maschinenfabrik Gustav Eirich, Outotec, CMD, Maguin, Christian Pfeiffer, Sandvik, Gebr. Pfeiffer, KHD Humboldt Wedag International, ThyssenKrupp Resource Technologies									
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
CEPLATTYN KG 10 HMF	mineral oil	Al-X	C	-10/+140	black	OGPF0-00N-10	0-00	500	> 180

■ CEPLATTYN KG 10 HMF-1000 SPRAYABLE ADHESIVE LUBRICANT FOR OPEN GEARS

For open running gear drives used under heavy loads and where the surrounding and tooth flank temperatures are permanently increased as well as for gear drives with slightly damaged tooth flanks and unfavourable load pattern.									
Approvals/Recommendations: Ferry Capitain, FLSmidth, Outotec, CMD, KHD Humboldt Wedag International, ThyssenKrupp Resource Technologies									
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
CEPLATTYN KG 10 HMF-1000	mineral oil	Al-X	C	-10/+140	black	OGPF0-00N-10	0-00	1000	> 180

■ CEPLATTYN KG 10 HMF-2500 SPRAYABLE ADHESIVE LUBRICANT FOR OPEN GEARS

For drives with pre-damaged load-carrying tooth flanks (pitting formation, chipped surface etc.) and for tooth flank temperatures of more than +70°C. Because of the high viscosity of the base oil, transmission of vibrations is dampened.									
Approvals/Recommendations: Ferry Capitain, FLSmidth, Citic, CMD, KHD Humboldt Wedag International, Outotec, ThyssenKrupp Resource Technologies									
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
CEPLATTYN KG 10 HMF-2500	mineral oil	Al-X	C	+5/+140	black	OGPF0-00N+5	0-00	2500	> 180

Graphited/grease-based

■ CEPLATTYN BL GRAPHITED ADHESIVE LUBRICANT

		For lubrication of machines and machine parts under difficult operating conditions, e.g. gear wheels, slide bars, chains, worm gears and ropes as well as for lubrication of machine parts subject to outdoor temperature fluctuations and environmental influences. Also suitable for use on wind turbine actuators.				Approvals/Recommendations: FLSmidth, BEKAwind			
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
CEPLATTYN BL	mineral oil	Al-X	C	-40/+150	black	OGPF2P-20	2	500	260

Light-coloured, graphite-free

■ CEPLATTYN SF 10 HIGH-VISCOSITY ADHESIVE LUBRICANT FOR OPEN GEARS

		The high base oil viscosity guarantees a stable lubricant film between the contacting tooth flanks. This leads to the exceptional efficiency together with the new type of additive package. Use on Open Gears in mills and large drive chains in raw materials industry. Meets AGMA 2005-D94/13 EP/13 S.				Approvals/Recommendations: Ferry Capitain, Metso, Outotec, ThyssenKrupp Resource Technologies, FLSmidth, KHD, CMD, Citic			
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
CEPLATTYN SF 10	synthetic	–	–	0/+120	light-coloured	–	–	10000	–

■ CEPLATTYN SF 30 EXTREMELY HIGH-VISCOSITY ADHESIVE LUBRICANT FOR OPEN GEARS

		For use on Open Gears in the raw materials industry. The extremely high base oil viscosity guarantees a good separation of the friction partners resulting in an exceptional efficiency. Reliable operation of the drives is guaranteed even with small amounts of the lubricant.				Approvals/Recommendations: Metso, FLSmidth, ThyssenKrupp Resource Technologies, Citic, Falk Rexnord			
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
CEPLATTYN SF 30	synthetic	–	–	+15/+120	light-coloured	–	–	30000	–

Light-coloured, graphite-free

■ CEPLATTYN BL WHITE ADHESIVE LUBRICANT WITH REACTIVE SOLID LUBRICANTS

CEPLATTYN BL WHITE is especially used for the lubrication of azimuth and pitch gears in wind power plants. In addition to that it is used, e.g. on gears, sliding tracks, chains, worm gears, and wire ropes, or for the lubrication of machine parts subjected to considerable temperature fluctuations and environmental influences.

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
CEPLATTYN BL WHITE	semi-synthetic	Al-X	white	-50/+160	light-coloured	OGPF1-2P-30	1-2	300	220

Riding ring lubrication

■ CEPLATTYN HT SYNTHETIC OIL WITH SOLID LUBRICANTS



For internal lubrication of riding rings fitted to rotary kilns or dryers.

Approvals/Recommendations:
FLSmidth, KHD Humboldt Wedag International, ThyssenKrupp Resource Technologies, Sinoma, Sprimag

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
CEPLATTYN HT	synthetic	–	C	-20/+600	black	–	–	160	–

■ CEPLATTYN 24 LR WATER-BASED, PASTE-LIKE CONCENTRATE CONTAINING SOLID LUBRICANTS

For internal lubrication of riding rings in rotary and drying kilns in order to maintain the relative movement of the ball races when no flammable lubricant should be used.

Approvals/Recommendations:
Sprimag

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
CEPLATTYN 24 LR	Water-based	–	C	>0/+600	black	–	–	–	–

Eco-friendly adhesive lubricants

■ CEPLATTYN ECO 300 ECO-FRIENDLY ADHESIVE LUBRICANT WITH SOLID LUBRICANTS



For sprocket chains, Open Gears, wire ropes, rack and pinion devices, sliding surfaces in locks and weirs, in the chemical industry, in mechanical engineering, in construction machinery and all kinds of conveyors. For lubrication of buffer plates, screwed joints, handbrake screws and horn cheeks on rolling stock.

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
CEPLATTYN ECO 300	native	Ca	C	-20/+80	grey	–	1	–	125

■ CEPLATTYN ECO 300 PLUS ECO-FRIENDLY, FULLY SYNTHETIC ADHESIVE LUBRICANT WITH SOLID LUBRICANTS



For the lubrication of buffer discs, screw couplings, handbrake spindles and axle guard sliding plates on rolling stock. For the lubrication of plate link chains.

Approvals/Recommendations:
IMO, BEKAwind

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
CEPLATTYN ECO 300 PLUS	synthetic	inorganic	C/PTFE	-30/+100	grey	–	0	–	–

■ CEPLATTYN R-VGP ECO-FRIENDLY, VGP-COMPLIANT ADHESIVE LUBRICANT



For the lubrication of wire ropes, sliding guides, drive elements, and open gearings, for example of jacking rigs, used in environmentally sensitive areas, such as harbours, ships, water locks, etc. CEPLATTYN R-VGP was especially developed to meet the requirements of the US Environmental Protection Agency for Environmentally Acceptable Lubricants (EAL) and thus comply with the Vessel General Permit (VGP).

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
CEPLATTYN R-VGP	native	Ca	Comb.	-20/+70	black	–	1	–	130

■ CEPLATTYN R-EAL VGP-COMPLIANT LUBRICANT FOR THE MANUFACTURE OF WIRE ROPES

For the inner lubrication of wire ropes in the production process. CEPLATTYN R-EAL was especially developed to meet the requirements of the US Environmental Protection Agency for Environmentally Acceptable Lubricants (EAL) and thus comply with the Vessel General Permit (VGP).

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
CEPLATTYN R-EAL	native	hybrid	Comb.	-30/+70	black	–	4	–	–

LUBRICATING GREASES

FUCHS LUBRICANTS GERMANY lubricating greases are effectively used in all industrial areas. Wherever traditional lubricants, for whatever reason, do not fulfil the requirements or simply do not work in the best possible way, we see benefits in using our high-performance greases.

The spectrum ranges from long-life greases for mechanical engineering, biodegradable lubricating greases for environmentally-sensitive areas, to high and exceptionally high-temperature greases for use in extreme operating conditions. Numerous approvals for use and testimonials from users confirm the high efficiency and reliability of FUCHS LUBRICANTS GERMANY greases. Hidden behind the product names are highly-developed and tested lubricating greases, which care for our customers' machinery and plants in the best possible way.



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Plain and roller bearing greases for temperatures up to +140°C

■ LAGERMEISTER 3000 PLUS HEAVY-DUTY, EXTREMELY WATER-RESISTANT LONG-TERM EP-GREASE



For all plain and roller bearings, on which there are high dynamic loads, e.g. in industry, construction and agricultural machinery. It provides excellent resistance to water and salt water as well as extremely good adhesive properties.

Approvals/Recommendations:

Baier + Köppel, Dellner Couplers, Josef Fröhling, SKF Lubrication Systems

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
LAGERMEISTER 3000 PLUS	semi-synthetic	Ca	–	-30/+120	greenish	KP2K-30	2	800	≥ 140

■ LAGERMEISTER BF 1 | BF 2 LONG-TERM EP-GREASES



Universal greases for plain and roller bearings in mechanical engineering, the chemical industry and construction machines. For varying loads and speeds.

Approvals/Recommendations:

Baier+Köppel, General Motors, KHD Humboldt Wedag International, Maschinenfabrik Köppern, Outotec, Salzgitter Maschinenbau (SMAG), SMS Meer, ThyssenKrupp Rothe Erde

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
LAGERMEISTER BF 1	mineral oil	Li	–	-20/+120	brown	KP1K-20	1	220	≥ 185
LAGERMEISTER BF 2	mineral oil	Li	–	-20/+120	natural yellowish	KP2K-20	2	200	≥ 190

■ LAGERMEISTER CA 95/100 N WATER-RESISTANT GREASE WITH GRAPHITE

For underwater lubrication of plain and roller bearings on vertical lift and lock gates, large sprocket chains, closing elements in sewage plants, cable wheel mounts on dredgers etc.

Approvals/Recommendations

KIROW ARDELT, ThyssenKrupp Resource Technologies

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
LAGERMEISTER CA 95/100 N	mineral oil	Ca	C	-30/+60	black	MF2C-30	2	90	≥ 100

■ LAGERMEISTER EP 2 LONG-LIFE EP-GREASE



For lubrication of plain and roller bearings subject to high and shock loads, temperature fluctuations and difficult environmental conditions in, for example general engineering, the chemical industry, iron and steel industries, construction machinery or automotive industries.

Approvals/Recommendations

Baier + Köppel, Liebherr-International Deutschland, SKF Lubrication Systems, Terex Germany, ThyssenKrupp Rothe Erde, Wather Flender

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
LAGERMEISTER EP 2	mineral oil	Li	–	-20/+130	natural colour	KP2K-20	2	200	≥ 190

Plain and roller bearing greases for temperatures up to +140°C

■ LAGERMEISTER HDG 00 HIGH-PERFORMANCE EP-GREASE WITH SEMI-FLUID WHITE SOLID LUBRICANTS

	For lubrication of machine elements in the mixed friction area, such as roller and plain bearings subjected to high pressure, intermittent loads and vibrating or oscillating movements. It is particularly appropriate if the surrounding area involves high humidity or the effects of splash water.								
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
LAGERMEISTER HDG 00	mineral oil	Ca-X	white	-30/+120	beige	K/GPF00K-30	00	350	≥ 240

■ LAGERMEISTER LP 2 LITHIUM SOAP-BASED MULTI-PURPOSE GREASE WITH EP PROPERTIES

	LAGERMEISTER LP 2 is a long-life EP-grease based on mineral oil and can be used as an all-round product for multi-purpose lubrication.								
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
LAGERMEISTER LP 2	mineral oil	Li	–	-25/+120	nature	KP2K-20	2	135	≥ 180

■ LAGERMEISTER SL | SLG PLAIN AND ROLLER BEARING LUBRICATION

For lubrication of plain and roller bearings at normal operating temperatures in mechanical engineering, and conveyors. It is also suitable as a chassis and sealing grease.									
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
LAGERMEISTER SL	mineral oil	Li	–	-20/+120	beige	K2-3K-20	2–3	100	≥ 190
LAGERMEISTER SLG	mineral oil	Li	C	-30/+120	grey-black	KF2K-30	2	100	≥ 190

■ LAGERMEISTER TS SEMI-SYNTHETIC HIGH-PERFORMANCE ROLLER BEARING GREASE

 	For plain and roller bearings under difficult operating conditions. Especially recommended for high pressures and low revolutions per minute. Allows longer regreasing intervals when compared to conventional greases. Very good adhesive properties.					Approvals/Recommendations: DB-Mat.-Nr. 245467, KHD Humboldt Wedag International, R.STAHL, Zeppelin Baumaschinen			
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
LAGERMEISTER TS	semi-synthetic	Li	–	-30/+140	natural colour	KP2N-30	2	800	≥ 190

Plain and roller bearing greases for temperatures up to +140°C

■ LAGERMEISTER WHS 2002 HIGH-PERFORMANCE EP-GREASE WITH WHITE SOLID LUBRICANTS



For plain and roller bearings operating under extreme conditions (dust, water, vibrations), e.g. conveyors, construction machines, raw material processing machines. For lubrication of plastic crosshead guides on telescopic cranes. Also available as fluid.

Approvals/Recommendations:
DB-Mat.-Nr. 685377+685382, Terex Germany, Zeppelin Baumaschinen

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
LAGERMEISTER WHS 2002	mineral oil	Li	white	-20/+120	white	KPF1-2K-20	1-2	320	≥ 190

■ STABYL HD HEAVY-DUTY EP-GREASE



For heavy-duty roller bearings under extreme operating conditions in heavy machine construction and in the cement and raw materials industry.

Approvals/Recommendations:
KHD Humboldt Wedag International, Koyo Australia, Loesche, Maschinenfabrik Köppern, Outotec, Schaeffler Technologies (FAG), ThyssenKrupp Resource Technologies

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
STABYL HD	mineral oil	Li	C, MoS ₂	-10/+120	grey-black	KPF2K-10	2	1000	≥ 190

■ STABYL L-TS MO MOS₂-CONTAINING SEMI-SYNTHETIC HEAVY-DUTY GREASE



For plain and roller bearings under difficult operating conditions. Especially recommended for high pressures and low speeds. Allows longer regreasing intervals when compared to conventional greases.

Approvals/Recommendations:
KHD Humboldt Wedag International, Komatsu Mining Germany, Loesche, SMS Meer, ThyssenKrupp Rothe Erde

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
STABYL L-TS MO	semi-synthetic	Li	MoS ₂	-30/+140	black	KPF2N-30	2	800	≥ 190

Plain and roller bearing greases for temperatures up to +140°C

■ STABYL MO 500 MoS_2 -CONTAINING LONG-TERM GREASE

	For plain and roller bearings of all types subjected to continuous high mechanical loads. Mechanical engineering industry, chemical industry, iron and steel works, construction machines and automotive industry.					Approvals/Recommendations: China National Materials (Sinoma), ThyssenKrupp Resource Technologies, Zeppelin Baumaschinen			
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
STABYL MO 500	mineral oil	Li	MoS_2	-25/+120	grey-black	KPF2-3K-25	2–3	110	≥ 190

■ STABYL TA WHITE HIGH-PERFORMANCE GREASE FOR THE LUBRICATION OF TELESCOPING BOOMS

	STABYL TA is a semi-synthetic special grease based on lithium soap. Its special gliding properties are achieved by a combination of synergetically effective solid lubricants.								
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
STABYL TA	semi-synthetic	Li	white	-40/+140	beige	KPF1-2N-40	1	200	≥ 190

Plain and roller bearing greases for extreme temperatures

■ LAGERMEISTER CX EP 2 CALCIUM COMPLEX-SOAP GREASE

	For lubricating plain and roller bearings on all types of machines, particularly those operating under high pressure and temperature loads, whenever moisture or water is present as well as whenever there is a danger of fretting corrosion.					Approvals/Recommendations: AUMUND Fördertechnik, General Motors			
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
LAGERMEISTER CX EP 2	mineral oil	Ca-X	–	-30/+150	natural	KP2N-30	2	120	≥ 250

■ LAGERMEISTER LX EP 2 LONG-LIFE EP-GREASE

	For lubrication of heavily loaded plain and roller bearings of any kind of construction machinery, especially under difficult operating conditions such as high loads and increased temperatures.					Approvals/Recommendations: Gebr. Pfeiffer, KHD Humboldt Wedag International, SHW-Werkzeugmaschinen			
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
LAGERMEISTER LX EP 2	mineral oil	Li-X	–	-30/+160	natural	KP2P-30	2	120	≥ 250

Plain and roller bearing greases for extreme temperatures

■ LAGERMEISTER XXL SPECIAL LONG-TERM GREASE WITH EXTREMELY WIDE APPLICATION RANGE

 	Ideally suited for the lubrication of highly-loaded plain and roller bearings on all kinds of construction machinery, especially under harsh operating conditions, high loads and increased temperatures. Allows reduced number of lubricants and increased regreasing intervals. Approvals/Recommendations: FLSmidth MAAG Gear, KHD Humboldt Wedag International, Loesche, Sandvik, SMS Meer, Zeppelin Baumaschinen								
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
LAGERMEISTER XXL	mineral oil	PU	–	-20/+160	yellowish-brown	KP2P-20	2	180	≥ 290

■ STABYL 300 AL 1 | 2 ALUMINIUM COMPLEX SOAP EP-GREASES WITH GRAPHITE

 	For plain and roller bearings, guides at highest loads, high temperatures and considerable temperature fluctuations, e.g. in raw materials industry, iron and steel works, chemical industry, sintering plants, calanders, extruders.								
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
STABYL 300 AL 1	mineral oil	Al-X	C	-20/+150	grey-black	KPF1P-20	1	320	≥ 260
STABYL 300 AL 2	mineral oil	Al-X	C	-20/+150	grey-black	KPF2P-20	2	320	≥ 270

■ STABYL AX 1 | 2 ALUMINIUM COMPLEX SOAP EP-GREASES

 	Universal greases for many applications at highest specific loads, high temperatures and and considerable temperature fluctuations. Particularly suitable for central lubrication systems with long feed lines and low diameters. Approvals/Recommendations: Palfinger Systems, Sprimag Spritzmaschinenbau								
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
STABYL AX 1	mineral oil	Al-X	–	-20/+150	brown	KP1P-20	1	320	≥ 260
STABYL AX 2	mineral oil	Al-X	–	-20/+150	brown	KP2P-20	2	320	≥ 270

■ STABYL EHT 2 HIGH-TEMPERATURE LONG-TERM GREASE FOR HEAVY-DUTY PLAIN AND ROLLER BEARINGS

 	Long-life lubrication of plain and roller bearings subjected to heavy-duty thermal and mechanical loads, e.g. in drying plants, conveying and transportation equipment, film stretching machines etc. Approvals/Recommendations: Bernd Münstermann								
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
STABYL EHT 2	synthetic	PTFE	–	-20/+220	beige	KPE1-2T-20	1–2	160	≥ 270

Plain and roller bearing greases for extreme temperatures

■ STABYL EOS E 2 FULLY SYNTHETIC HIGH-PERFORMANCE GREASE, ESPECIALLY FOR USE IN WIND TURBINES

 	For lubrication of heavy-duty plain and roller bearings in all types of wind turbines. Has a wide operating temperature range, high mechanical stability, pronounced load bearing capacity and excellent corrosion protection properties. It can be used both for the lubrication of rotor bearings as well as for the blade and azimuth bearings. Approvals/Recommendations: General Electric, IMO, Jungblut wind elements, KENERSYS, ThyssenKrupp Rothe Erde, ZS Schmieranlagen								
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
STABYL EOS E 2	synthetic	Li	–	-40/+130	natural	KPE1-2K-40	1–2	320	≥ 180

■ STABYL LT 50 FULLY SYNTHETIC LOW-TEMPERATURE GREASE

 	For plain and roller bearings at low temperatures. Meets TL-VW 778 version A. Approvals/Recommendations: FLSmidth MAAG Gear, IMO, Komatsu Mining Germany, Terex Germany, ThyssenKrupp Resource Technologies, ThyssenKrupp Rothe Erde								
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
STABYL LT 50	synthetic	Li	–	-50/+130	natural	KPHC2N-50	2	105	≥ 190

■ STABYL LX 460 SYN SYNTHETIC HIGH-PERFORMANCE GREASE ESPECIALLY FOR USE IN WIND POWER PLANTS

 	STABYL LX 460 SYN combines the advantages of synthetic base oil, a special lithium complex thickener and a state-of-the-art additive package. Thus it shows an outstanding performance throughout a wide temperature range.								
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
STABYL LX 460 SYN	synthetic	Li-X	–	-40/+140	yellowish	KPHC1.5N-40	1–2	460	≥ 230

■ STABYL MPL 1 FULLY SYNTHETIC HIGH-PERFORMANCE GREASE

  	STABYL MPL 1 is a fully synthetic EP-grease based on a high-grade calcium/lithium complex soap. A selected, special additive combination provides the product with a good oxidation resistance, excellent corrosion protection, good wear protection, and outstanding friction properties.								
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
STABYL MPL 1	synthetic	Ca/Li-X	–	-40/+160	light brown	–	1	475	≥ 200

Plain and roller bearing greases for extreme temperatures

■ EASYMESH HTS FULLY SYNTHETIC HIGH-PERFORMANCE GREASE, ESPECIALLY FOR USE IN WIND TURBINES



EASYMESH HTS is a non-melting grease for the lubrication of gears and bearings in high-temperature environments. It has no drop point, very low oil separation at high temperatures and a very low evaporation rate of the base oil.

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
EASYMESH HTS	synthetic	inorganic	–	-30/+180	red	–	1–2	300	–

■ URETHYN 160 HIGH-TEMPERATURE GREASE WITH EXCELLENT CORROSION PROTECTION

For lubrication of plain and roller bearings under difficult conditions in the chemical industry, the steel industry, in mining and in general engineering. For use in ventilators, electric motors, car wheel bearings, clutch bearings, decanter bearings, tread rollers of drying plants etc.

Approvals/Recommendations:
ANDRITZ, ATEK Antriebstechnik Willi Glapiak

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
URETHYN 160	mineral oil	PU	–	-20/+160	yellow-brown	KP2-3P-20	2–3	320	≥ 220

■ URETHYN CC 2-1 STEEL WORKS GREASE ACC. TO SEB 181 255



For plain and roller bearings operating under the influence of temperature and humidity, e.g. roller bed bearings in continuous casting as well as in the steel and raw materials industry etc.

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
URETHYN CC 2-1	mineral oil	PU	–	-20/+180	yellowish-brown	KP1R-20	1	460	≥ 230

■ URETHYN E 2 FULLY SYNTHETIC POLYUREA HIGH-TEMPERATURE GREASE



For long-life or lifetime lubrication of thermally highly loaded plain and roller bearings in the chemical industry, textile industry, conveying and drying equipment as well as in KTL installations in the automotive industry.

Approvals/Recommendations:
Daimler, Eisenmann, EVG Lufttechnik, Sprimag Spritzmaschinenbau

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
URETHYN E 2	synthetic	PU	–	-20/+200	cream-coloured	KPE1-2S-20	1–2	100	≥ 290

Plain and roller bearing greases for extreme temperatures

■ URETHYN E/M 1 | 2 SEMI-SYNTHETIC POLYUREA HIGH-TEMPERATURE GREASES

	Long-life lubrication of plain and roller bearings, e.g. electric motor bearings in textile machines, ventilator bearings in dryers and kilns, spindle bearings. Lubrication of plastics, elastomers and sealing elements.								
	Approvals/Recommendations: ANDRITZ, Bosch Rexroth, KHD Humboldt Wedag International, NEFF Gewindetriebe								
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
URETHYN E/M 1	semi-synthetic	PU	–	-20/+160	yellow	KPE1R-20	1	150	≥ 260
URETHYN E/M 2	semi-synthetic	PU	–	-20/+180	yellow	KPE2R-20	2	150	≥ 260

■ URETHYN HG 0 POLYUREA GREASE WITH AN EXTREMELY WIDE OPERATING TEMPERATURE RANGE

 	For lubrication of heavy-duty hinges, joints and other connecting elements. It offers safe long-term lubrication of steel/steel sliding surfaces subject to considerable temperature fluctuations and ensures very good corrosion protection. Particularly suitable for lubrication of sintered metals and heavy-duty plain and antifriction bearings at extremely low operating temperatures. The pumpability in central lubrication systems is tested down to -50°C.								
	Approvals/Recommendations: Komatsu Mining Germany, Liebherr-International Deutschland, Terex Germany								
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
URETHYN HG 0	synthetic	PU	–	-50/+200	light beige	–	0	40	≥ 280

■ URETHYN LT 60 FULLY SYNTHETIC POLYUREA LOW-TEMPERATURE GREASE

	For plain and roller bearings, guides, Open Gears on equipment in the low temperature range, e.g. machines and installations operating outdoors in winter service, snow rollers, cable cars, transport installations in cold-storage depots, outdoor escalators. Also suitable for high-speed roller bearings.								
	Approvals/Recommendations: Salzgitter Maschinenbau (SMAG), Sprimag Spritzmaschinenbau								
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
URETHYN LT 60	synthetic	PU	–	-50/+140	light yellow	KE1N-50	1	23	≥ 280

■ URETHYN XHD 2 FULLY SYNTHETIC POLYUREA GREASE

  	Smooth, fully synthetic polyurea grease for extreme conditions, such as alternating speeds, temperatures and loads. URETHYN XHD 2 is especially suitable for bearings of large-size generators of wind turbines and thermally and mechanically highly loaded bearings in various industrial applications.								
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
URETHYN XHD 2	synthetic	PU	–	-40/+180	beige	KPFHC2R-40	2	290	≥ 260

Plain and roller bearing greases for extreme temperatures

■ URETHYN MP 1 | 2 MINERAL OIL-BASED HIGH-TEMPERATURE POLYUREA GREASES



For plain and roller bearings at high temperatures, e.g. long-life lubrication of roller bearings in electric machines, ventilator bearings, conveyor roller bearings in continuous steel casting plants, pump, blower and compressor equipment.

Approvals/Recommendations:

FLSmidth MAAG Gear, Josef Fröhling, Loesche, Salzhausener Maschinenbau-technik SALMATEC, Sandvik, SMS Meer, ThyssenKrupp Resource Technologies, Zeppelin Baumaschinen

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
URETHYN MP 1	mineral oil	PU	–	-20/+180	yellowish-brown	KP1R-20	1	460	≥ 220
URETHYN MP 2	mineral oil	PU	–	-20/+180	yellowish-brown	KP2R-20	2	460	≥ 230

Eco-friendly lubricating greases

■ STABYL ECO EP 2 ECO-FRIENDLY UNIVERSAL EP-GREASE



For highly loaded plain and roller bearings in mechanical engineering, hydraulic steel construction, inland navigation and in municipal areas (e.g. waste water treatment).

Approvals/Recommendations:

Baier + Köppel, KHD Humboldt Wedag International, SKF Lubrication Systems, MAN, Sandvik, Terex Germany, ThyssenKrupp Resource Technologies

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
STABYL ECO EP 2	synthetic	Li/Ca	–	-40/+120	beige	KPE2K-40	2	105	≥ 170

■ STABYL ECO S 12 | ECO S 12 G ECO-FRIENDLY UNIVERSAL EP-GREASE WITH SOLID LUBRICANTS



For heavy-duty plain and roller bearings in mechanical engineering, hydraulic steel construction, waste water processing and wherever water, groundwater or soil are endangered by the use of mineral oil-based products.

Approvals/Recommendations:

ThyssenKrupp Rothe Erde

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
STABYL ECO S 12	synthetic	Li	–	-40/+130	natural colour	KPE2K-40	2	320	≥ 190
STABYL ECO S 12 G	synthetic	Li	C	-40/+130	grey-black	KPFE1-2K-40	1–2	320	≥ 190

Other greases for special applications

■ GLEITMO 577 A | C SPECIAL SYNTHETIC GREASES WITH WHITE SOLID LUBRICANTS



Special lubricating greases based on a synthetic oil and specially selected white solid lubricants for reducing friction and wear with the material pairings plastic/plastic, plastic/metal and rubber-elastomer/metal. GLEITMO 577 A and GLEITMO 577 C are used to lubricate O-rings seals, plastic adjustment devices and shock absorber seals.

Approvals/Recommendations:
GLEITMO 577 A meets VW TL 52 160

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
GLEITMO 577 A	synthetic	inorganic	PTFE	-40/+180	yellow, opaque	–	1	85	none
GLEITMO 577 C	synthetic	inorganic	PTFE	-40/+180	yellow, opaque	–	00	85	none

Silicone Greases for special applications

■ CHEMPLEX SI 300 MEDIUM | LOW-TEMPERATURE SILICONE GREASES



For use as low-temperature grease, particularly for electrical, electronic and precision engineering devices. For plastic/plastic or elastomer/metal pairings, e.g. in flexible rubber/metal connections. Recommended for reinforcing the sealing effect and lubrication of rotary shaft seals, packing rings, O-rings and other seals as well as for lubrication of bellows.

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
CHEMPLEX SI 300 MEDIUM	silicone	Li	–	-70/+160	white	KSI2P-70	2	70	≥ 215

■ CHEMPLEX SI 400 MEDIUM HIGH-TEMPERATURE SILICONE GREASES

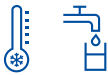


For light to normally loaded plain and roller bearings, e.g. in electric motors, fans, dryers, control devices and household equipment as well as for guides, joints and light-duty conveyor chains.

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
CHEMPLEX SI 400 MEDIUM	silicone	Li	–	-30/+180	yellowish	KSI2R-30	2	80	≥ 210

Silicone greases for special applications

■ CHEMPLEX SI 410 MEDIUM SILICONE GREASE WITH CALCIUM THICKENER

	For lubrication of light-duty bearings, particularly valves, O-rings and similar lubrication points.					Approvals/Recommendations: Drinking water approval acc. UBA guideline, French drinking water approval			
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
CHEMPLEX SI 410 MEDIUM	silicone	Ca	–	-40/+120	whitish	KSI2K-50	2	750	≥ 140

■ CHEMPLEX SI 511 FLUID | LIGHT | MEDIUM HIGH-TEMPERATURE SILICONE GREASES WITH POLYUREA THICKENER

	For high-temperature applications such as in wheel hubs of wagons in brickworks, hot air ventilators, conveying devices and door hinges in drying furnaces, foundries, control and monitoring equipment in vulcanising works.								
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
CHEMPLEX SI 511 FLUID	silicone	PU	–	-40/+200	beige	KSI00S-40	00	80	none
CHEMPLEX SI 511 LIGHT	silicone	PU	–	-40/+200	beige	KSI1S-40	1	80	≥ 250
CHEMPLEX SI 511 MEDIUM	silicone	PU	–	-30/+200	beige	KSI2S-30	2	80	≥ 280

■ CHEMPLEX SI-LK 2 LITHIUM COMPLEX SOAP-BASED SPECIALTY SILICONE GREASE

	Particularly suitable for long-life lubrication of steel/plastic, plastic/plastic and steel/rubber material pairings. Good load carrying capacity due to white solid lubricants.								
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
CHEMPLEX SI-LK 2	silicone	Li-X	–	-50/+200	white	KFSI2-3S-50	2–3	190	≥ 270

■ SILICONFETT 300 MITTEL/BLQ LOW-TEMPERATURE SILICONE GREASE, BRIDGE BEARING QUALITY

	Used for plain bearings of bridges, sliding plates and other plastic/metal sliding pairs (officially tested quality).					Approvals/Recommendations: MPA Stuttgart (material testing institute of Stuttgart university).			
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
SILICONFETT 300 MITTEL/BLQ	silicone	Li	–	-70/+160	white	–	2	70	≥ 215

Extreme temperature greases, chemically resistant

■ GLEITMO 591 EXTREME-TEMPERATURE PFPE/PTEF-BASED LUBRICANT



For plain and roller bearings at the highest temperatures, e.g. in fans, electric motors, transport chains and centrifuge bearings.

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
GLEITMO 591	synthetic	PTFE	white	-25/+260	white	–	2*	510	none

*Also available: NLGI-grades 00, 1, 3

■ GLEITMO 593 EXTREME-TEMPERATURE PFPE/PTEF-BASED LUBRICANT



For roller bearings of low-speed conveyor chains in textile finishing plants, in drying and enamelling ovens.

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
GLEITMO 593	synthetic	PTFE	white	-25/+250	white	–	2*	510	none

*Also available: NLGI-grades 1, 3

Lubricating greases for rail traffic

■ LOCOLUB ECO ECO-FRIENDLY WHEEL FLANGE LUBRICANT



For wheel flange lubrication on railroad vehicles of all kinds and on portal cranes.

Approvals/Recommendations:
Baier + Köppel, DB-Mat.-Nr. 517718,
ÖBB-Personenverkehr, REBS Zentral-
schmiertechnik

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
LOCOLUB ECO	synthetic	inorganic	combination	-30/+80	dark-grey	–	000	–	none

■ TRAMLUB F 234 MOD 2 ECO-FRIENDLY WHEEL FLANGE LUBRICANT



For rail and wheel flange lubrication of railroad vehicles.

Approvals/Recommendations:
Baier + Köppel, DB-Mat.-Nr. 106192,
REBS Zentralschmiertechnik, Siemens

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
TRAMLUB F 234 MOD 2	semi-synthetic	inorganic	white	-25/+150	ivory	–	000	–	none

Lubricating greases for rail traffic

■ TRAMLUB SSM ECO ECO-FRIENDLY GREASE TO LUBRICATE RAIL FLANKS

		Designed for the lubrication of running edges and flanks of rails used by rail-borne traffic and serves to reduce friction and wear in the wheel/rail contact area.					Approvals/Recommendations: CEMAFER Gleisbaumaschinen und -geräte, DB-Mat.-Nr. 783667, Schreck-Mieves		
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
TRAMLUB SSM ECO	synthetic	Li	combination	-40/+120	grey	–	1–2	–	none

■ TRAMLUB F 234 G ECO-FRIENDLY SEMI-FLUID GREASE TO LUBRICATE RAIL FLANKS

		For lubrication of rails and wheel flanges of railway vehicles as well as for switch lubrication.					Approvals/Recommendations: DB-Mat.-Nr. 519764		
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
TRAMLUB F 234 G	synthetic	inorganic	C	-30/+100	black	–	00	–	none

■ TRAMLUB 384 G PLUS ECO-FRIENDLY SEMI-FLUID GREASE FOR SWITCH LUBRICATION

		For sliding surfaces on switch points in marshalling yards on standard gauge railways, underground and regional express railways, tramways and industrial railways.							
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
TRAMLUB 384 G PLUS	synthetic	inorganic	C	-35/+100	dark-grey	–	< 000	–	none

■ TRAM-SILENCE | 00 ECO-FRIENDLY RAILHEAD TREATMENT AGENTS TO MINIMISE THE RISK OF SQUEALING

		Are applied sparsely to the railhead in order to fight squealing noises in tracks with extreme curves.					Approvals/Recommendations: Baier + Köppel, CEMAFER Gleisbaumaschinen und -geräte, SKF Lubrication Systems, REBS Zentralschmiertechnik		
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
TRAM-SILENCE	native	special	–	-20/+80	grey-black	–	0	–	none
TRAM-SILENCE 00	synthetic	inorganic	–	-20/+80	grey-black	–	00	–	none

Semi-fluid greases

■ GEARMASTER LI 400 SEMI-SYNTHETIC, SEMI-FLUID GEAR GREASE

 	For gear motors on DIY equipment and machine tools as well as for all types of small gears.								
	Approvals/Recommendations: Ammann Verdichtung, bielomatik Leuze, KHD Humboldt Wedag International, Maschinenfabrik Köppern, Outotec, SMS Meer, ThyssenKrupp Resource Technologies								
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
GEARMASTER LI 400	semi-synthetic	Li-X	–	-30/+140	brown	GP00N-30	00	150	≥ 200

■ GEARMASTER LXG 00 FULLY SYNTHETIC SEMI-FLUID GEAR GREASE

	For lubrication of gears of a high power density. Sealing grease for struts in shock absorbers.								
	Approvals/Recommendations: bielomatik Leuze, ThyssenKrupp Resource Technologies								
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
GEARMASTER LXG 00	synthetic	Li-X	–	-40/+160	yellowish	GPHC00P-40	00	180	≥ 250

■ GEARMASTER ZSA SMOOTH MINERAL OIL-BASED SEMI-FLUID GREASE

 	For all lubrication points in commercial vehicles which are supplied by central lubrication systems.								
	Approvals/Recommendations: bielomatik Leuze, MAN, Zeppelin Baumaschinen								
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
GEARMASTER ZSA	mineral oil	Li	–	-40/+120	green	GP000K-40	000	45	≥ 160

■ URETHYN GE 00 FULLY SYNTHETIC POLYUREA SEMI-FLUID GEAR GREASE

	Is used in fast-running small gears. It is characterised by a high mechanical and thermal stability as well as its compatibility with sealings and by its neutrality towards non-ferrous and light metals.								
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
URETHYN GE 00	synthetic	PU	–	-40/+160	beige	GPHC00P-40	00	180	≥ 260

PASTES

It is precisely in the marginal areas of grease lubrication where grease pastes exhibit their exceptional efficiency. Even with slow movements, under very high pressure, or in case of oscillatory or sudden loads, they inhibit metallic contact, thus preventing or reducing wear, such as scuffing.

Pastes are consistent lubricants, which contain special solid lubricants to optimise their lubrication performance. According to their content of solid lubricants we distinguish: Greases up to 10% and pastes above 10%.

The primary function of the pastes and is in areas of application which cannot be handled by grease or oil. For example, at slow speeds an inadequate lubricant separation film is formed in the contact zones of the moving parts. Metal contact and hence higher wear occur (scuffing). This wear can be avoided or reduced by the use of solid lubricants. Pastes with white solid lubricants play a special role. Solid white lubricants are various inorganic compounds which are capable of forming reactive layers on the metallic base material in tribo-contact under specific pressure and temperature conditions. These layers reduce friction and protect against wear, even under extreme loads.



Pastes

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High-performance pastes with white solid lubricants

■ GLEITMO 582 SEMI-SYNTHETIC, ADHESIVE PASTE DISPERSION



High-performance chain grease for low and high-speed power transmitting chains, even where resistance to water, water vapour, acids and lyes is required.

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
GLEITMO 582	semi-synthetic	Li	white	-15/+120	beige	–	0	–	

■ GLEITMO 585 K | GLEITMO 585 K PLUS FULLY SYNTHETIC HIGH-PERFORMANCE PASTE



For plain and roller bearings as well as all types of lubricating points, particularly if they are subject to the risk of fretting corrosion (oscillating movements, vibrations, e.g. pitch and azimuth bearings of wind turbines). GLEITMO 585 K PLUS was especially designed for progressive lubrication systems.

Approvals/Recommendations:
ThyssenKrupp Rothe Erde, BEKA

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
GLEITMO 585 K	synthetic	Li	white	-45/+130	beige	–	2	50	> 180
GLEITMO 585 K PLUS	synthetic	Li	white	-45/+130	beige	–	2	50	> 180

■ GLEITMO 585 M MINERAL OIL-BASED HIGH-PERFORMANCE GREASE



For bearings and all types of lubricating points, particularly if they are subject to the risk of fretting corrosion (oscillating movements, vibrations, e.g. bearings on large cardan shafts).

Approvals/Recommendations:
KARL MAYER Textilmaschinenfabrik, Loesche

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
GLEITMO 585 M	mineral oil	Li	white	-25/+120	beige	–	2	100	≥ 170

■ GLEITMO 800 WHITE HIGH-PERFORMANCE PASTE



Thin film lubrication where extreme pressures, stick-slip, oscillating movements and fretting corrosion are prevalent. For assembly, household appliances, textile machines and packaging machines.

Approvals/Recommendations:
Daimler

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
GLEITMO 800	mineral oil	–	white	-25/+100	cream	–	2	68	

High-performance pastes with white solid lubricants

■ GLEITMO 805 WHITE HIGH-PERFORMANCE MINERAL OIL-BASED PASTE

	For articulated bearings, spindles, plain bearings, bolts, chucks and screws which are subjected to shock loads and oscillating movements. Other typical fields of application are oscillating pins on construction machinery, telescopic beams of cranes. GLEITMO 805 has proved itself for lubrication in the incremental launching process of bridges.								
	Approvals/Recommendations: Bosch Rexroth, Daimler, DB-Mat.-Nr. 823600, Volvo Car Germany								
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
GLEITMO 805	mineral oil	Li	white	-20/+110	beige	–	2	185	130

■ GLEITMO 805 K WHITE HIGH-PERFORMANCE SYNTHETIC OIL-BASED PASTE

	For articulated bearings, spindles, plain bearings, bolts, chucks and screws, which are subjected to shock loads and oscillating movements. Outstanding low temperature behaviour and excellent plastics compatibility.								
	Approvals/Recommendations: Volvo Car Germany								
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
GLEITMO 805 K	synthetic	Li	white	-45/+110	beige	–	2	130	160

■ GLEITMO 810 WHITE HIGH-PERFORMANCE MINERAL OIL-BASED PASTE

	For ball screw drives, multi-groove profiles, ball bushes, gear couplings, threaded spindles, stainless steel threaded connections, plain bearings, household appliances, textile, office and packaging machines.								
	Approvals/Recommendations: Daimler, KARL MAYER Textilmaschinenfabrik								
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
GLEITMO 810	mineral oil	Li	white	-25/+80	white	–	2	68	160

■ GLEITMO 815 WHITE SYNTHETIC OIL-BASED PASTE

 	For ball screw drives, multi-groove profiles, ball bushes, gear couplings, threaded spindles, stainless steel threaded connections, plain bearings, household appliances, textile, office and packaging machines. With extended temperature range (short term up to +180°C). As a spray, especially suitable for assembly and maintenance.								
	Approvals/Recommendations: MAN								
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
GLEITMO 815	synthetic	inorganic	white	-45/+150	beige	–	2	115	none

High-performance pastes with white solid lubricants

■ GLEITMO WSP 5000 WHITE HIGH-PERFORMANCE PASTE



For lubrication of machine parts such as rolling and plain bearings, axles or shafts subjected to high pressures, shock loads and vibrating or oscillating movements, especially in high ambient humidities or where there is water splashing. For reduction of friction and wear at high and low loads as well as against fretting corrosion and stick-slip.

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
GLEITMO WSP 5000	mineral oil	Spec. Ca-X	white	-20/+140	beige	–	2	350	> 270

■ GLEITMO WSP 5040 WHITE HIGH-PERFORMANCE PASTE



For machine elements of all types subjected to extreme pressures, shock loads and oscillatory movements. It is particularly appropriate if the surrounding area is subject to high humidity or the effects of splash water. For sliding pairings, which have a tendency to stick slip and scuffing (fretting). At low sliding speeds and high pressures as well as where fretting corrosion is present. Application as a high-temperature screw paste up to +1,200°C.

Approvals/Recommendations:
COLUMBUS McKINNON Engineered Products (Pfaff-silberblau), NEUERO Industrietechnik für Förderanlagen, Sandvik, ThyssenKrupp Steel Europe

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
GLEITMO WSP 5040	mineral oil	Spec. Ca-X	white	-20/+140	beige	–	2	250	> 270

Lubricating and assembly pastes

■ GLEITMO 100 | 100 S ASSEMBLY PASTES BASED ON MoS₂



Assembly pastes with an extremely large range of applications. For running-in lubrication of heavy-duty plain bearings, slide and guide rails, gear wheels and screw spindles as well as bolt and threaded connections. Facilitates assembly / disassembly and prevents stick-slip. From approx. +140°C dry lubrication by solid lubricants. Based on the higher MoS₂ share GLEITMO 100 S is suitable for extreme applications.

Approvals/Recommendations:
Daimler, Josef Fröhling, KHD Humboldt Wedag International

	Base oil	Solid lubricants	Temperature range in °C	Colour	Press fit test* (no stick-slip)	Base oil viscosity at 40°C [mm²/s]	NLGI-grade	Drop point in °C
GLEITMO 100	mineral oil	MoS ₂	-35/+400	black	0.1	–	1–2	175
GLEITMO 100 S	mineral oil	MoS ₂	-35/+400	black	0.1	–	1–2	none

***Press fit test:** The press fit test serves for the practical assessment of lubricants in the low sliding speed and high pressure range. A typical test for the capability assessment of assembly pastes. During the press fit test a bolt (outside diam: 19,075 mm) is pressed into a bushing (inside diam: 19,050 mm). During the test it is obvious where and when stick-slip occurs. The insertion or extraction force and the static and dynamic coefficients of friction are determined. Additionally, the specific surface pressure is determined from the change in the external diameter of the sleeve.

Lubricating and assembly pastes

■ GLEITMO 700 MOS₂ PASTE WITH SYNTHETIC OIL



For use in all areas of high-temperature lubrication technology, where oils and greases cannot be used e.g. kiln cab bearings (plain and roller bearings). Also for assembly and running-in processes. From approx. +200°C dry lubrication by solid lubricants (carrier oil evaporates leaving no residue).

	Base oil	Solid lubricants	Temperature range in °C	Colour	Press fit test* (no stick-slip)	Base oil viscosity at 40°C [mm ² /s]	NLGI-grade	Drop point in °C
GLEITMO 700	synthetic	MoS ₂	-40/+400	black	0.12	180	1	none

***Press fit test:** The press fit test serves for the practical assessment of lubricants in the low sliding speed and high pressure range. A typical test for the capability assessment of assembly pastes. During the press fit test a bolt (outside diam: 19,075 mm) is pressed into a bushing (inside diam: 19,050 mm). During the test it is obvious where and when stick-slip occurs. The insertion or extraction force and the static and dynamic coefficients of friction are determined. Additionally, the specific surface pressure is determined from the change in the external diameter of the sleeve.

High-temperature pastes

■ GLEITMO 155 METAL-FREE HIGH-TEMPERATURE PASTE



For turbine bolts, high-temperature screws, especially stainless steel screws in the chemical industry, in refineries and power stations. Release agent for bolted flanges in the high-temperature range.

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm ² /s]	Drop point in °C
GLEITMO 155	synthetic	–	white	-30/+1200	white	–	1–2	–	none

■ GLEITMO 160 NEU UNIVERSAL COPPER PASTE



For lubrication of turbine bolts, high-temperature screws and as release agent for flange connections in the high temperature range.

Approvals/Recommendations:
FLSmidth MAAG Gear

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm ² /s]	Drop point in °C
GLEITMO 160 NEU	mineral oil	Al-X	combination	-30/+1100	copper	–	2	–	260

High-temperature pastes

■ GLEITMO 165 METALLURGICALLY-COMPATIBLE HIGH-TEMPERATURE SCREW PASTE



For lubrication of turbine bolts, high-temperature screws and for lubrication of bolts, slide rings, sliding rails at high temperatures. No formation of oxide layers.

Approvals/Recommendations:
VW, Volvo Car Germany

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
GLEITMO 165	synthetic	–	combination	-40/+1200	grey-blue	–	2	–	none

■ GLEITMO 705 HIGH-TEMPERATURE LUBRICATING PASTE



Lubrication of low speed bearings, bolts, hinges, slipper pads and slide rails on firing, drying and annealing systems. Facing for casting ladles, tools, funnels and spouts in aluminium die casting.

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
GLEITMO 705	synthetic	–	C, white	-20/+1000	grey	–	2	–	none

■ PBC 1574 UNIVERSALLY APPLICABLE HIGH-TEMPERATURE PASTE WITH METALLIC SOLIDS



PBC 1574 is used for the prevention of seizures on screw threads, linkages, pivots, flanges and mating surfaces subject to high temperatures, fretting corrosion, salt water and aggressive environmental media. The product is used to lubricate brake callipers and prevent corrosion of disc brakes. PBC 1574 is not electrically conductive and does not affect the sensors of ABS systems.

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
PBC 1574	mineral oil	inorganic	combination	-20/+1200	golden	–	–	–	none

■ PBC TP492 HIGH-TEMPERATURE SCREW PASTE



As a protective grease PBC TP492 acts as a lubricating seal to prevent ingress of water and corrosive solutions. It may also be used as a jointing compound and anti-squeal medium. Applications can be found in variable pitch blade fans and king pin thrust bearings of heavy trucks, and universal joints. PBC TP492 acts as an anti-fretting agent between contact surfaces with oscillating movements.

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
PBC TP492	mineral oil	inorganic	combination	-20/+1200	grey	–	–	250	none

Chisel paste

■ MEISSELPASTE SPECIAL PASTE BASED ON COPPER



Copper-coloured mineral oil-based paste with aluminium complex soap and solid lubricants to lubricate socket tools and bushings of pneumatic and compressed air tools with weights ranging from 75 to 6,000kg, pneumatic drills and other power tools. Can also be used under water and at high temperatures.

Approvals/Recommendations:

Baier + Köppel, DELIMON, SKF Lubrication Systems

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
MEISSELPASTE	mineral oil	Al-X	combination	-20/+1100	copper	–	2	–	260

PFPE pastes

■ CARBAFLO 2160 PERFLUORINATED ANTI-CREAK PASTE

CARBAFLO 2160 is a white, almost transparent high-temperature paste for the lubrication of bearings, slide rails or plug-in contacts. It is resistant to most lyes and acids, features excellent EP properties and acts as electric insulator. The low evaporation rate of the base oil guarantees extended relubrication intervals. Properly applied, CARBAFLO 2160 guarantees a lifetime lubrication of sensitive slide rails and adjusting mechanisms like in sunroofs.

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
CARBAFLO 2160	synthetic	–	white	-60/+260	white	–	2	310	none

■ CARBAFLO 2455 HIGH-TEMPERATURE PASTE FOR SPECIAL APPLICATIONS

CARBAFLO 2455 is a fluorescent special paste based on a highly stable synthetic oil and white solid lubricants. It is resistant to many aggressive chemicals and offers an excellent compatibility with various elastomer and plastic types. The addition of a UV tracer allows simple identification of CARBAFLO 2455 using a UV lamp.

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
CARBAFLO 2455	synthetic	–	white	-45/+220	light yellow	–	2	210	none

PFPE pastes

■ CARBAFLO 3631 HIGH-TEMPERATURE GREASE RESISTANT TO CHEMICALS



The paste has excellent extreme pressure properties across the whole temperature range and offers a long-term wear prevention, thus resulting in a considerable increase in machine component life.

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
CARBAFLO 3631	synthetic	–	white + black	-60/+260	black	–	2	310	none

■ GLEITMO 591 EXTREME-TEMPERATURE PFPE/PTFE-BASED PASTE

For plain and roller bearings at the highest temperatures, e.g. in fans, electric motors, transport chains and centrifuge bearings.

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
GLEITMO 591	synthetic	PTFE	white	-25/+260	white	–	2*	510	none

*Also available: NLGI-grades 00, 1, 3

■ GLEITMO 593 EXTREME-TEMPERATURE PFPE/PTFE-BASED PASTE



For roller bearings of low-speed conveyor chains in textile finishing plants, in drying and enamelling ovens.

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
GLEITMO 593	synthetic	PTFE	white	-25/+250	white	–	2*	510	none

*Also available: NLGI-grades 1, 3

Silicone pastes

■ CHEMPLEX 746 SILICONE PASTE WITH WHITE SOLID LUBRICANTS

Lubrication of plastic/plastic and plastic/metal pairings, such as sealings, bearings, guiding devices, plastic-coated Bowden cables.

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
CHEMPLEX 746	silicone oil	inorganic	white	-40/+175	white	–	1–2	750	none

Silicone pastes

■ CHEMPLEX 750 HIGH-CONSISTENCY SILICONE PASTE

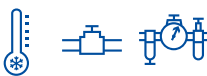
	For lubrication of plastic/plastic and plastic/metal pairings, rubber parts, O-rings, elastomers. Sealing agent for taps and valves. Insulation of electric systems and installations. Serves as a humidity protector						ne		
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
CHEMPLEX 750	silicone oil	inorganic	none	-40/+200	colourless	–	3–4	10000	none

Oxygen pastes

■ GLEITMO 591 (OX) | 593 (OX) OXYGEN-RESISTANT PASTE, TESTED AT >60 BAR AT 60°C OXYGEN TEMPERATURE

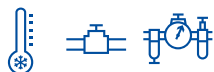
		For oxygen applications. Resistant to many aggressive chemicals and excellent compatibility with various types of rubbers and plastics. Please contact us for more information.							
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
GLEITMO 591 (OX)	synthetic	PTFE	white	-25/+260	white	–	2	–	none
GLEITMO 593 (OX)	synthetic	PTFE	white	-25/+250	white	–	2	–	none

■ GLEITMO 595 | 595 MP OXYGEN-RESISTANT PASTE, TESTED AT >220 BAR AT 60°C OXYGEN TEMPERATURE

		First lubrication and maintenance of valves for oxygen bottles and of equipment for the oxygen producing and processing industries. Used in diving. Physiological respiratory certificate is available. Also tested with gaseous oxygen at higher temperatures and with liquid oxygen. Please contact us for more information.							
	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
GLEITMO 595	synthetic	PTFE	white	-60/+250	white	–	3	–	none
GLEITMO 595 MP	synthetic	PTFE	white	-60/+250	white	–	3	–	none

Oxygen pastes

■ GLEITMO 599 | 599 MP OXYGEN-RESISTANT PASTE, TESTED AT >400 BAR AT 60°C OXYGEN TEMPERATURE



First lubrication and maintenance of valves for oxygen bottles and of fittings and equipment for the oxygen producing and processing industries. The tested oxygen pressures significantly exceed 400 bar (at 60°C). With this lubricant it is therefore even possible for example to lubricate the valves of 300 bar oxygen bottles safely and reliably. Ideal for diving applications. Physiological respiratory certificate is available. Also suitable for higher oxygen temperatures.

Please contact us for more information.

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
GLEITMO 599	synthetic	special	white	-40/+250	light grey	–	3	–	none
GLEITMO 599 MP	synthetic	special	white	-40/+250	light grey	–	3	–	none

Hot temperature pastes for forming operations

■ GLEITMO 820 WHITE PASTE FOR HOT FORMING



GLEITMO 820 is used for drop forging, hot extrusion, hot rolling, hot bending. Also ideal for lubricating the column guides of the presses.

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
GLEITMO 820	mineral oil	–	white	-20/+1150	white	–	1–2	–	none

■ GLEITMO 821 WHITE LUBRICATING FLUID FOR HOT FORMING



GLEITMO 821 is used for drop forging, hot extrusion, hot rolling, hot bending. Can also be used as thinner for GLEITMO 820.

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
GLEITMO 821	mineral oil	–	white	-20/+1150	white	–	–	–	none

Hot temperature pastes for forming operations

■ GLEITMO 830 WHITE SOLID LUBRICANT PASTE FOR COLD FORMING



GLEITMO 830 is used in cold forming processes, where commonly used lubricants are not satisfactory. GLEITMO 830 is proven for most demanding requirements in stamping, drawing, stretch-forming, bending, rolling, and forming of profiles. GLEITMO 830 is suitable for different materials such as austenitic and ferritic steels, copper, aluminium, zinc and their alloys.

	Base oil	Thickener	Solid lubricants	Temperature range in °C	Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
GLEITMO 830	mineral oil	–	white	-25/+100	cream	–	2	–	none

HMP FILMS AND SOLID FILM LUBRICANTS (SFL)

Solid film lubricants and HMP film lubricants are suitable for a multitude of materials, such as metals, plastics, and elastomers. After application on surfaces, solid film lubricants and HMP film lubricants enable a reliable, clean and dry lubrication, in particular wherever greases and oils are unwanted or not practicable.

HMP films are colloidal dispersions of High Molecular Polymers (HMP) in water. They are preferably applied in dipping procedures. After drying they create a firmly adhering, dry, and touch-proof lubricating film. HMP films are mainly used for the coating of fasteners (screws/bolts, nuts and washers) in order to reduce the coefficient of friction and to minimize its variation.

Solid film lubricants (SFL) however are tough, bonded coatings characterized by an outstanding resistance to pressure and temperatures. Thanks to their dry, clean and non-aging surface characteristics they allow the storage of coated metal, plastics and elastomer parts ready for assembly.

Solid film lubricants from FUCHS LUBRICANTS GERMANY have excellent lubricating and protective properties. Their application fields range from the improvement of running-in processes to lifetime lubrication, from prevention of stick-slip to prevention of cold weld and corrosion.



HMP films and solid film lubricants (SFL)

HMP films	58
Cleaning agents for HMP films	60
Solvent-based solid film lubricants (SFL)	61
Water-based solid film lubricants (SFL)	63
GLEITMO colour range	65

HMP films

■ GLEITMO 300 GREASE AND OIL-FREE LUBRICANT FILM



Solvent-containing universal lubricant for industrial and household applications. For calibration, switches and mechanisms of any kind. For plastics, elastomers, zippers, blinds, window fittings, screws etc.

	Thinner	Temperature range in °C	Colour	Coefficient of friction ¹⁾	pH-value
GLEITMO 300	–	-40/+50	colourless, transparent	–	–

■ GLEITMO 602 DRY FILM LUBRICANT FOR COATING OF BULK PARTS

For bulk part coating of nuts and bolts in the automotive industry. To obtain friction coefficients with small deviation at an elevated level of friction coefficients.

Approvals/Recommendations:
Bosch Rexroth, Volvo

	Thinner	Temperature range in °C	Colour	Coefficient of friction ¹⁾	pH-value
GLEITMO 602	water	-40/+80	colourless-shiny	0.15	8.5–9.5

■ GLEITMO 603 DRY FILM LUBRICANT FOR COATING OF BULK PARTS

For bulk part coating of nuts and bolts in the automotive industry. To obtain friction coefficients with small deviation at an elevated level of friction coefficients.

Approvals/Recommendations:
Bosch Rexroth, Volvo

	Thinner	Temperature range in °C	Colour	Coefficient of friction ¹⁾	pH-value
GLEITMO 603	water	-40/+80	colourless matt	0.15	8.5–9.5

■ GLEITMO 605 DRY FILM LUBRICANT FOR COATING OF BULK PARTS

For bulk part coating of e.g. nuts and bolts. For chipboard and automotive screws. To obtain friction coefficients with small deviation as per VDA (association of German automotive industry) requirements.

Approvals/Recommendations:
Bosch, General Motors, MAN, Renault, VOLKSWAGEN, Volvo

	Thinner	Temperature range in °C	Colour	Coefficient of friction ¹⁾	pH-value
GLEITMO 605	water	-40/+110	colourless matt	0.11	approx. 8.5–9.5

■ GLEITMO 615 DRY FILM LUBRICANT FOR COATING OF BULK PARTS

For lubrication of stainless steel nuts and bolts, thread forming and self-tapping screws, rivets, sheet metal screws, chipboard screws and O-ring assembly.

Approvals/Recommendations:
Würth

	Thinner	Temperature range in °C	Colour	Coefficient of friction ¹⁾	pH-value
GLEITMO 615	water	-40/+110	colourless matt	0.09	5.0–6.0

HMP films

■ GLEITMO 625 DRY FILM LUBRICANT FOR COATING OF BULK PARTS

	For lubrication of stainless steel nuts and bolts, thread-forming and self-tapping screws, rivets, sheet metal screws, chipboard screws.			Approvals/Recommendations: VOLKSWAGEN	
	Thinner	Temperature range in °C	Colour	Coefficient of friction¹⁾	pH-value
GLEITMO 625	water	-40/+110	colourless matt	0.08	5.0–6.0

■ GLEITMO 627 DRY FILM LUBRICANT WITH PTFE FOR COATING OF BULK PARTS

	For lubrication of stainless steel nuts and bolts, thread-forming and self-tapping screws, rivets, sheet metal screws. To obtain very uniform friction coefficients.			Approvals/Recommendations: Volvo	
	Thinner	Temperature range in °C	Colour	Coefficient of friction¹⁾	pH-value
GLEITMO 627	water	-40/+110	colourless matt	0.08	5.0–6.0

■ GLEITMO 2345 V DRY FILM LUBRICANT

	For lubrication of elastomers (O-rings, profile gaskets, sleeves, bolts) as well as for noise reduction.				
	Thinner	Temperature range in °C	Colour	Coefficient of friction¹⁾	pH-value
GLEITMO 2345 V	water	-40/+70	colourless matt	0.07–0.08	8.5–9.5

■ GLEITMO HMP 8420 NF DRY FILM LUBRICANT WITH ANTI-CORROSION SEALER

	For bulk part coating of nuts and bolts in the automotive industry. To obtain friction coefficients with small scattering ranges as per VDA requirements (association of German automotive industry) in combination with an excellent corrosion protection on zinc and zinc-alloy coatings. NMP free				
	Thinner	Temperature range in °C	Colour	Coefficient of friction¹⁾	pH-value
GLEITMO HMP 8420 NF	water	-40/+110	colourless, bright	0.10–0.11	8.5–9.5

■ GLEITMO HMP 8040 DRY FILM LUBRICANT FOR COATING OF BULK PARTS

	For bulk part coating of thread-forming and self-tapping screws.				
	Thinner	Temperature range in °C	Colour	Coefficient of friction¹⁾	pH-value
GLEITMO HMP 8040	water	-40/+110	colourless matt	0.09	5.0–6.0

HMP films

■ GLEITMO HMP 9020 MOS_2 DRY FILM LUBRICANT

For the lubrication of bulk parts like stud-bolts, nuts, sheet metal screws and tension springs. can be used to fulfill the friction coefficients required by DIN EN 14399.					
	Thinner	Temperature range in °C	Colour	Coefficient of friction ¹⁾	pH-value
GLEITMO HMP 9020	water	-70/+350	black	0.09	8.0

■ GLEITMO HMP 9020 K MOS_2 DRY FILM LUBRICANT

GLEITMO HMP 9020 K is suitable for the lubrication of bulk parts like stud-bolts, nuts, sheet metal screws and tension springs. Can be used to fulfill the friction coefficients required by DIN EN 14399. GLEITMO HMP 9020 K is an advance development of GLEITMO HMP 9020 with enhanced corrosion protection properties.					
	Thinner	Temperature range in °C	Colour	Coefficient of friction ¹⁾	pH-value
GLEITMO HMP 9020 K	water	-70/+250	black	0.11	8.0

■ GLEITMO HMP 9021 MOS_2 DRY FILM LUBRICANT

For lubrication of bulk parts like stud-bolts, nuts, sheet metal screws and tension springs. Can be used to fulfill the friction coefficients required by DIN EN 14399.					
	Thinner	Temperature range in °C	Colour	Coefficient of friction ¹⁾	pH-value
GLEITMO HMP 9021	water	-70/+350	black	0.09	8.0

¹⁾ μ value at the initial tightening strain, mixture ratio 1:3, bolt test according to DIN EN ISO 16047 with DIN 933 M 12, 8.8 Zn screws. Tightening strain of 75 % of the material elastic limit. Further friction coefficients available on request.

Cleaning agents for HMP films

■ GLEITMO HMP CLEANER CLEANING AGENT FOR DRY HMP FILMS

Suitable for removing dry HMP films on incorrectly coated screws and application equipment (exception: GLEITMO 603).					
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Solvent-based solid film lubricants (SFL)

■ GLEITMO 900 AIR DRYING, MoS_2 SOLID FILM LUBRICANT

	For dry lubrication of nuts and bolts made of stainless steel, cylinder head screws, dowel pins. For cold forming e.g. cold extrusion as well as for joint bearings at high temperatures.					
	Approvals/Recommendations: Volvo					
	Binder	Thinner	Solid lubricants	Temperature range in °C	Colour	Yield in m ² /liter solid film lubricant
GLEITMO 900	inorganic	METABLANC V-901	MoS_2 , graphite	-180/+400	grey-black	approx. 15

■ GLEITMO 920 AIR DRYING, MoS_2 SOLID FILM LUBRICANT

	For dry lubrication of screws, thrust washers, gear wheels, bearing pins, slide rails and for metal forming.					
	Binder	Thinner	Solid lubricants	Temperature range in °C	Colour	Yield in m ² /liter solid film lubricant
GLEITMO 920	organic	GLEITMO 920 V	MoS_2 , graphite	-180/+250	grey-black	approx. 10

■ GLEITMO 960 AIR DRYING GRAPHITE SOLID FILM LUBRICANT FOR HIGH-TEMPERATURE USE

	For dry lubrication of threaded connections as well as for metal forming, such as cold extrusion, reducing. Short-term use up to +600°C. Free of sulphur.					
	Binder	Thinner	Solid lubricants	Temperature range in °C	Colour	Yield in m ² /liter solid film lubricant
GLEITMO 960	inorganic	METABLANC V-901	graphite	-180/+350	black	approx. 12

■ GLEITMO 980 AIR DRYING PTFE SOLID FILM LUBRICANT

	Dry lubrication of a wide variety of material pairings, such as metals, plastics, elastomers. Release agent for rubber/rubber and rubber/metal.					
	Binder	Thinner	Solid lubricants	Temperature range in °C	Colour	Yield in m ² /liter solid film lubricant
GLEITMO 980	inorganic	METABLANC V-901	PTFE	-180/+250	silk dull	approx. 30

■ GLEITMO SFL 9540 THERMOSETTING MoS_2 SOLID FILM LUBRICANT

	For dry lubrication of gears, bearing bushings and pins, rollers, spindles (on hoisting equipment). For running-in optimisation, emergency and lifetime lubrication.					
	Binder	Thinner	Solid lubricants	Temperature range in °C	Colour	Yield in m ² /liter solid film lubricant
GLEITMO SFL 9540	organic	GLEITMO 9540 V	MoS_2 , graphite	-180/+300	grey-black	approx. 12

Solvent-based solid film lubricants (SFL)

■ GLEITMO SFL 9550 THERMOSETTING MOS₂ SOLID FILM LUBRICANT

For lifetime lubrication in combination with an excellent corrosion protection. It is suitable for bulk part coating (e.g. screws, pins, lock parts).						
	Binder	Thinner	Solid lubricants	Temperature range in °C	Colour	Yield in m ² /liter solid film lubricant
GLEITMO SFL 9550	organic	GLEITMO 950 V	MoS ₂ , graphite	-180/+300	grey-black	approx. 15

■ GLEITMO SFL 9560 THERMOSETTING WHITE PTFE SOLID FILM LUBRICANT

For metal lubrication under high abrasive loads such as adjusting mechanisms (spindles and slide rails) and machine components requiring dry lubrication and good corrosion protection.						
	Binder	Thinner	Solid lubricants	Temperature range in °C	Colour	Yield in m ² /liter solid film lubricant
GLEITMO SFL 9560	organic	GLEITMO 950 V	PTFE	-70/+140	white	approx. 10

■ GLEITMO SFL 9563 THERMOSETTING PTFE SOLID FILM LUBRICANT

For lifetime lubrication of machine elements at average pressures (plain bearings, spindles, slid rails, etc.) requiring dry lubrication and good corrosion protection.						
	Binder	Thinner	Solid lubricants	Temperature range in °C	Colour	Yield in m ² /liter solid film lubricant
GLEITMO SFL 9563	organic	GLEITMO 950 V	PTFE, MoS ₂	-70/+200	black	approx. 10

■ GLEITMO SFL 9580 THERMOSETTING PTFE SOLID FILM LUBRICANT WITH NON-STICK EFFECT

Highly efficient non-stick coating for metallic materials. For dry lubrication of components under low loads.						
	Binder	Thinner	Solid lubricants	Temperature range in °C	Colour	Yield in m ² /liter solid film lubricant
GLEITMO SFL 9580	in-/organic	GLEITMO 950 V	PTFE	-70/+250	black	approx. 10

■ GLEITMO SFL 9680 | SFL 9680 TF AIR DRYING 3-COMPONENT SOLID FILM LUBRICANT

For dry lubrication of elastomers (O-rings, profiles). Enables very low friction coefficients thus facilitating assembly.						
	Binder	Thinner	Solid lubricants	Temperature range in °C	Colour	Yield in m ² /liter solid film lubricant
GLEITMO SFL 9680	in-/organic	METABLANC V-901	–	-70/+180	transparent, colourless	20
GLEITMO SFL 9680 TF	in-/organic	METABLANC V-901	–	-70/+180	transparent, colourless	20

Water-based solid film lubricants (SFL)

■ GLEITMO 905 AIR DRYING MOS₂ SOLID FILM LUBRICANT

For dry lubrication of nuts and bolts made of stainless steel, cylinder head screws, cylinder head gaskets, dowel pins as well as for cold forming e.g. cold extrusion.						
	Binder	Thinner	Solid lubricants	Temperature range in °C	Colour	Yield in m ² /liter solid film lubricant
GLEITMO 905	inorganic	water	MoS ₂ , graphite	-180/+400	grey-black	approx. 20

■ GLEITMO SFL 9025 AIR DRYING MOS₂ SOLID FILM LUBRICANT

For lubrication of screws, thrust washers, disc springs, gear wheels, bearing pins, slide rails and for metal forming.				Approvals/Recommendations: GLEITMO SFL 9025 corresponds to VW standard TL 52 105		
	Binder	Thinner	Solid lubricants	Temperature range in °C	Colour	Yield in m ² /liter solid film lubricant
GLEITMO SFL 9025	organic	water	MoS ₂ , graphite	-180/+250	grey-black	approx. 25

■ GLEITMO SFL 9085 AIR DRYING MOS₂ SOLID FILM LUBRICANT

For dry lubrication of metals (fasteners), plastics and elastomers under low loads. Initial lubrication of injection-moulded parts (cams, stop levers, stop guides). Suitable for the use in food industry.						
	Binder	Thinner	Solid lubricants	Temperature range in °C	Colour	Yield in m ² /liter solid film lubricant
GLEITMO SFL 9085	organic	water	PTFE	-180/+250	colourless matt	approx. 20

■ GLEITMO SFL 9070 AIR DRYING PTFE SOLID FILM LUBRICANT

For dry coating of various material combinations especially of plastics, rubbers and leather. Allows smooth running, protects against wear, and prevents squeaking noise caused by stick slip of plastic combinations in a car's interior.						
	Binder	Thinner	Solid lubricants	Temperature range in °C	Colour	Yield in m ² /liter solid film lubricant
GLEITMO SFL 9070	organic	water	PTFE	-70/+180	colourless matt	approx. 10

■ GLEITMO SFL 9065 THERMOSETTING PTFE SOLID FILM LUBRICANT

For lifetime lubrication of components where high requirements have to be met in terms of wear resistance combined with good corrosion protection. Furthermore GLEITMO SFL 9065 can be used to coat bulk parts (pins, screws/bolts, disc springs, etc.).						
	Binder	Thinner	Solid lubricants	Temperature range in °C	Colour	Yield in m ² /liter solid film lubricant
GLEITMO SFL 9065	organic	water	PTFE	-180/+250	grey-black	approx. 10–15

Water-based solid film lubricants (SFL)

■ GLEITMO 2332 V THERMOSETTING SOLID FILM LUBRICANT



For dry lubrication of screws used in high-temperature applications (e.g. car exhaust systems). Enables easy loosening after thermal stress.

	Binder	Thinner	Solid lubricants	Temperature range in °C	Colour	Yield in m ² /liter solid film lubricant
GLEITMO 2332 V	in-/organic	water	Special	-180/+1200	grey-black	approx. 15

■ GLEITMO RLC 3000 THERMOSETTING PTFE SOLID FILM LUBRICANT FOR DRINKING WATER APPLICATIONS

For dry lubrication of seals in drinking water applications. GLEITMO RLC 3000 meets the requirements of the German Federal Environmental Agency ("UBA") for organic coatings in drinking water applications. For dry lubrication of different material combinations, e.g. of metals, plastics, rubbers.

Approvals/Recommendations:
Drinking water contact acc. to UBA guideline

	Binder	Thinner	Solid lubricants	Temperature range in °C	Colour	Yield in m ² /liter solid film lubricant
GLEITMO RLC 3000	organic	water	PTFE	-70/+250	colourless, milky	approx. 10

■ GLEITMO RLC 3100 2-COMPONENT WATER-BASED PTFE SOLID FILM LUBRICANT

For lubrication of elastomers and polymer materials GLEITMO RLC 3100 can be pigmented with colour additives from the "GLEITMO Colour" range in order to achieve coloured coatings, e.g. on O-rings.

	Binder	Thinner	Solid lubricants	Temperature range in °C	Colour	Yield in m ² /liter solid film lubricant
GLEITMO RLC 3100	organic	water	PTFE	-70/+250	colourless, milky	approx. 20

■ GLEITMO RLC 4000 THERMOSETTING POLYSILOXANE SOLID FILM LUBRICANT

Used for a dry lubrication of elastomers. GLEITMO RLC 4000 allows very low friction coefficients, thus facilitating the assembly of components, especially O-rings.

	Binder	Thinner	Solid lubricants	Temperature range in °C	Colour	Yield in m ² /liter solid film lubricant
GLEITMO RLC 4000	in-/organic	water	–	-70/+250	transparent, colourless	approx. 20

■ GLEITMO RLC 4300 PTFE-WATER-BASED PTFE SOLID FILM LUBRICANT

For dry lubrication of elastomers and plastics. To be used wherever lowest friction coefficients are required, e.g.

	Binder	Thinner	Solid lubricants	Temperature range in °C	Colour	Yield in m ² /liter solid film lubricant
GLEITMO RLC 4300	organic	water	PTFE	-70/180 °C	colourless matt	10-20

GLEITMO colour range

■ GLEITMO COLOUR RANGE PIGMENT CONCENTRATES FOR COLOURING GLEITMO SOLID FILM LUBRICANTS

The GLEITMO Colour range includes concentrates for the colouring of water-based GLEITMO solid film lubricants (e.g. GLEITMO RLC 3100). The pigment makes it easier to provide evidence of coating on coated parts and allows homogeneous, coloured coatings.

	black	blue	green	red	white	yellow
Colour code	BL 01	BU 01	GN 01	RD 01	WH 01	YE 01

RUST LOOSENERS AND TECHNO-CHEMICAL PRODUCTS

Rust looseners and corrosion-protection products still have an important role, even in today's high-tech industry. They are essential for the loosening of threaded connections. Parts which are susceptible to corrosion are protected against corrosion either permanently or during transportation.

Cleaners are designed for clean, grease-free cleaning of parts. This de-greasing is indispensable for ensuring a proper, subsequent greasing or coating with solid film lubricants. Our cleaners are also very suitable for cleaning vehicle chassis.

The thinners can be used during production or for dispersing grease, grease pastes and pastes. At the same time they are suitable for cleaning coating equipment (e.g. spray guns, centrifugal containers).



Rust looseners and techno-chemical products

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Rust looseners

■ FERROFORM LOCC RAPID RUST LOOSENER BASED ON MINERAL OIL

	For non-destructive loosening of rusted and seized connections. Creeps under water. As rust loosener, fine lubricant and slight protection against corrosion for all technical and household areas. Available only as a spray.	Base oil	Colour
FERROFORM LOCC		mineral oil	light coloured

■ FERROFORM ECO LOCC ECO-FRIENDLY SYNTHETIC RAPID RUST LOOSENER

	Application areas like FERROFORM LOCC.	Base oil	Colour
FERROFORM ECO LOCC		synthetic	yellowish

■ FERROFORM ECO 871 SPRAY ECO-FRIENDLY SYNTHETIC RAPID RUST LOOSENER

	For non-destructive loosening of rusted and seized connections, knuckle joints, levers, contacts etc. Displaces water. Exceptional creep properties and high lubrication efficiency. Available only as a spray.	Base oil	Colour
FERROFORM ECO 871 SPRAY		synthetic	greenish clear

■ FERROFORM SUPER 7 SPECIAL RUST LOOSENER WITH SOLID LUBRICANT PACKAGE

	Multi-purpose rust loosener incorporating a combination of resin and acid free penetrating oils. Ideal for repairing and maintaining severely rusted and seized parts in mechanical components and hydraulic equipment.	Base oil	Colour
FERROFORM SUPER 7		mineral oil	black

Corrosion protection media

■ DECORDYN ECO RAPIDLY BIODEGRADABLE CORROSION PROTECTION CONCENTRATE

	Corrosion protection of all untreated surfaces of machines and equipment, e.g. in waste water processing plants, municipal works, the chemical industry. If necessary, the concentrate can be diluted with METABLANC V-D 100. Available only as a spray.
DECORDYN ECO	

Corrosion protection media

■ DECORDYN HF 91 NON-SLIP UNIVERSAL CORROSION PROTECTION WAX FOR EXTERIOR PROTECTION

Long-time corrosion protection of e.g. rail mounts, small steel parts, bolt threads in railroad track construction. Also for bare steel components in the mechanical engineer and vehicle manufacturing. Meets the requirements of the German Railroad Authority for corrosion protection aids. Also suitable for underfloor protection of vehicles.

DECORDYN HF 91

■ DECORDYN W SPRAY PRESERVATION FLUID



For preserving precision equipment, tools and devices. It's compatibility with relubricating agents guarantees that the preserved parts are ready for installation without further cleaning. Only available as a spray.

DECORDYN W SPRAY

■ DECORDYN 350 NON-SLIP ANTICORROSION FILM WITH GOOD LUBRICATING PROPERTIES ALSO FOR EXTERIOR PROTECTION



For long-term preservation of intermediately stored machine parts, plastic injection moulds, casting moulds, stamping, bending and drawing tools which have to be kept ready for use at all times. Does not have to be removed before use of the parts.

DECORDYN 350

Approvals/Recommendations: RUD Ketten

Cleaners

■ METABLANC RAPID METAL CLEANER



For obtaining oil and grease-free metal surfaces which are to be treated subsequently with lubricating pastes, greases, solid film lubricants or screw locking agents. For maintenance, repair and assembly: brakes, axles, shafts, bearings, gears, slide rails and screws.

METABLANC

■ CTP M ECO ECO-FRIENDLY UNIVERSAL CLEANER



For cleaning vehicles, construction machinery, machines and installations, hall floors etc. Also suitable for cleaning of heavily soiled points of slide pads and lubricating channels of track-side systems for railways. Can be diluted with water.

CTP M ECO

■ METABLANC PFPE SPECIAL PFPE CLEANER

Suitable for the cleaning and preparing of components for which a lubrication with perfluorinated lubricants is intended.

METABLANC PFPE

Solid lubricant powders

■ POWDER GRAPHITE F

POWDER Graphite F is used as a solid lubricant for liquid and pasty lubricants, plastics and sliding materials.					
	Colour	Bulk weight in g/dm ³	Purity in %	Ambient temperature in °C	Particle size
POWDER Graphite F	black	140	99.5	–	≤ 25 µm

■ POWDER MoS₂ F

POWDER MoS ₂ F is used for cold forming and dry lubrication, if lubrication with oils or greases is not possible. For incorporation in plastics, carbon products, powder metals and lubricants. For economical application on small bulk parts.					
	Colour	Bulk weight in g/dm ³	Purity in %	Ambient temperature in °C	Particle size
POWDER MoS ₂ F	grey-blue	–	–	-180/+400	approx. 40 µm

■ POWDER MoS₂ S

 POWDER MoS ₂ S is used for cold forming and dry lubrication, if lubrication with oils or greases is not possible. For incorporation in plastics, carbon products, powder metals and lubricants. For economical application on small bulk parts.					
	Colour	Bulk weight in g/dm ³	Purity in %	Ambient temperature in °C	Particle size
POWDER MoS ₂ S	grey-blue	–	–	-180/+350	approx. 15 µm

For your notes

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APPLICATION EQUIPMENT

Various application equipment complements FUCHS LUBRICANTS GERMANY's extensive portfolio of high-performance lubricants. The SYSTEM REINER offers a flexible and extremely versatile system for safe and clean lubrication of your high-quality machines. The system consists of the HD two-handed grease gun combined with a large variety of different lubricants in compatible SR cartridges, which allow simple and clean handling. These SR cartridges can also be applied with a number of other grease guns from our range.



Application Equipment

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Application Equipment

■ HD-TWO-HANDED GREASE GUN



For easy, clean and accurate lubrication of high-quality machines with long lubricating lines, large quantities of lubricant and large volumes of lubricant per stroke. Obtainable pressure: 400 bar. TÜV (German technical inspecting agency) approved and with GS mark.

- Weight: 950 g only
- Maximum obtainable pressure: 400 bar
- Complete discharge of the SR cartridge by special piston shape
- With Twin-Lock System



■ SINGLE-HANDED GREASE GUN



For easy, clean and accurate lubrication of high-quality machines. TÜV (German technical inspecting agency) approved and with GS mark.

- Up to 150 bar pressure in one hand operation
- Complete discharge of the SR cartridge by special piston shape
- With Twin-Lock System



■ DFP 500/FLT PNEUMATIC GREASE GUN



The professional pneumatic grease gun is the ideal solution to lubricate all kinds of machinery, commercial vehicles and construction machinery. It is supplied with reinforced rubber hose and 4-jawed professional nozzle.

- Practical single-hand operation
- Controlled grease feed using a single outlet
- Approx. 1.2 cm³/stroke at 250 bar
- Input pressure 2–10 bar, transmission ratio 1:30
- Connecting thread M 10x1
- Complete discharge of the SR cartridge by special piston shape
- With Twin-Lock System



Application Equipment

■ PORTABLE ELECTRIC GREASE GUN 18 V PREMIUM S-LSP



The battery powered grease gun generates a powerful stroke through the reduction gear and an eccentric. This makes it possible to pump greases up to NLGI grade 2 (as per DIN 51818) up to an operating pressure of around 400 bar. Simply screw in the SR cartridge and you are ready to go. Large quantities of lubricant can be applied easily and without effort. A spare rechargeable battery is also available.

- Operating pressure: 400 bar (limited by pressure relief valve)
- Delivery capacity: approx. 100 g/min
- 18 V Li-ion battery, 3.000 mAh
- Charging time: approx. 1 h
- Spare battery sold separately



■ LUBEJET-ECO GREASE SPRAY GUN FOR THE LUBE-SHUTTLE CONTAINER

The pneumatic grease spray gun allows greases to be sprayed directly from the Lube-Shuttle system cartridge without using any propellant or other chemical additives such as solvents. Well-established application is the lubrication of the telescoping boom of mobile telescoping cranes with STABYL TA.

- Maximum operating pressure 5 bar
- Use only with Lube-Shuttle system cartridges



■ CLS FILLING DEVICE



The CLS filling device is used for the simple filling of central lubrication systems with the "System Reiner" cartridge. The SR cartridge is screwed into the mouthpiece. The lever transmission of the draw-off mechanism enables easy and effort-saving operation. The coupling plug, which is available for central lubrication systems (e.g. BEKA Max), ensures a secure connection to the mouthpiece of the CLS filling device.

- Coupling plug (M20 x 1.5), product code 800254474



Innovative lubricants need Experienced application engineers

Every lubricant change should be preceded by expert consultation on the application in question. Only then the best lubricant system can be selected. Experienced FUCHS engineers will be glad to advise on products for the application in question and also on our full range of lubricants.



Contact:



FUCHS LUBRICANTS GERMANY GmbH
Friesenheimer Str. 19
68169 Mannheim/Germany
Phone +49 621 3701-0
zentrale-flg@fuchs.com
www.fuchs.com/de

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